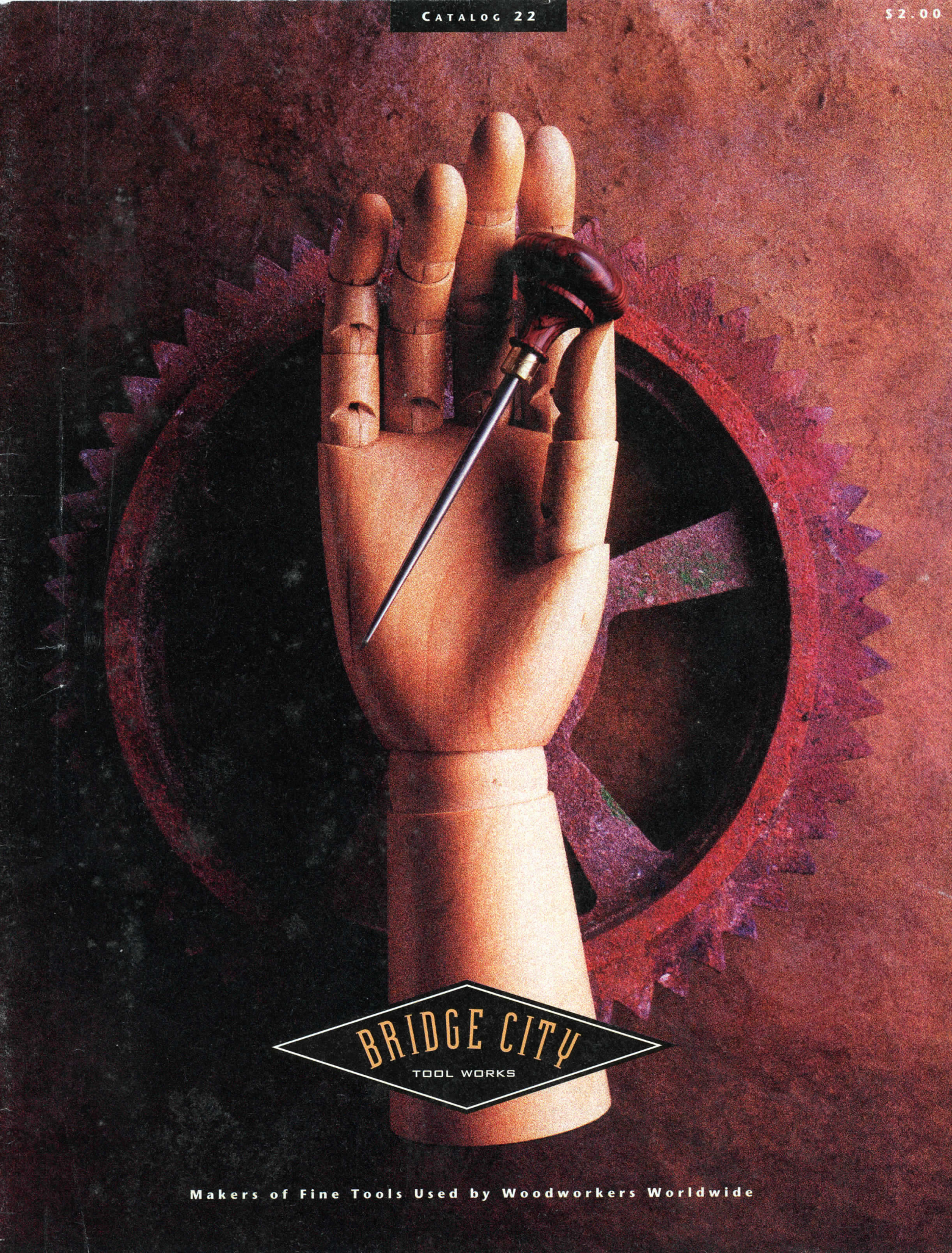
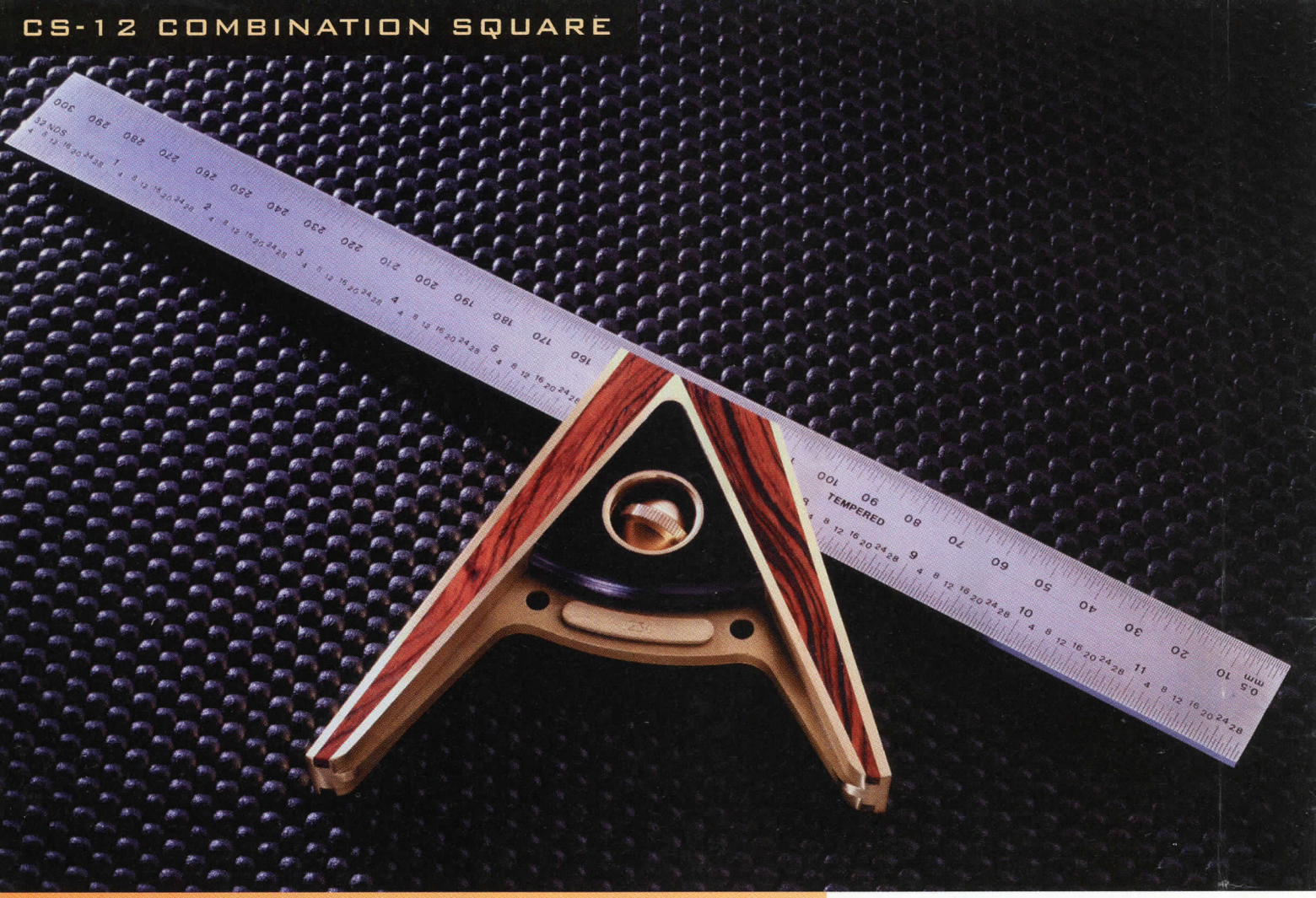
CATALOG 22

$2.00



BRIDGE CITY
TOOL WORKS

Makers of Fine Tools Used by Woodworkers Worldwide



A Brief History of a Remarkable Invention

On May 6, 1879, Leroy S. Starrett received from the patent office of the United States government, patent number 215,024 for a try-square. Unlike previous versions, this square contained an adjustable, graduated blade, a level, and a small scribe; it is one of the most brilliantly conceived layout tools in history. Not only did this tool provide a ready reference for ninety and forty-five degrees, but it was also a depth gage, hook rule and a rudimentary level. As with all venerable designs, patent number 215,024 surpassed the test of time, and was one of the superior ideas that built the L.S. Starrett Company. Founded in 1880, the renowned L.S. Starrett Company continues to occupy an exalted position in the metal working industry today.

Over one hundred and ten years later, long after the original patent expired, Mr. Starrett's combination square design is sold in almost every hardware store across the world. Also found in the shops of amateur and professional alike, it is truly one of the most popular tools ever produced, its original form unchanged.

Bridge City Tool Works is pleased to introduce the first new version of this basic design in over a century! Before describing the merits of our latest creation, I would like to share with you the process through which we arrived at its form.

Accuracy

In recent history we have produced and sold over 100,000 try squares! Our commitment to accuracy in all of our squares has precluded us from introducing a combination square design for the following reason...

Although there are numerous companies that manufacture combination squares today, only the precision versions have a tolerance which we believe is necessary for quality bench woodworking. Accuracy you can trust. Unfortunately, our research of previous efforts indicated a problem with all combination squares maintaining accuracy over time.

By design, combination squares with sliding blades involve moving parts—and moving parts wear. Typically, the steel blade of a quality combination square is hardened to a Rockwell C scale reading anywhere between 58–63. By comparison, gray cast iron, a very common material for the square head, is anywhere between 38–48 on the same scale, depending on alloy content and heat treating. This is a substantial difference in hardness! Over time, the square head will erode from the blade movement across the cast reference surface (see Figure 1). Like most abrasive erosion, this wear occurs at the edges first, creating a "rockered" surface that is extremely problematic for a reference layout tool.

The logical question at this juncture is, what does "over time" mean? Our tests, on a brand new combination square from a highly respected manufacturer, indicated that the 90° reference changed with less than sixty full length blade adjustments! It was minute, but continued to worsen and we became focused on addressing this issue in our own efforts.

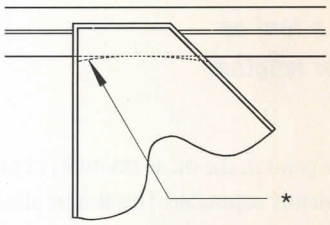


Fig. 1 Wear almost invariably occurs at the edges first. Here is what happens when a hardened blade slides over a softer cast seat. Over time, the result is a tool with unpredictable accuracy. *Note the eroded reference that the blade must seat against when tightened.

Customer Feedback

Additional concerns regarding a combination square design from Bridge City Tool Works were voiced from our Founder's Circle Tool Club members. To summarize...

1. Regarding the level found in current versions, the majority of the respondents were adamant about eliminating it from our design. The reasons centered around a common theme, "Why pay for something that is never used, or is questionable functionally?" Our research confirmed the comments of one customer who stated; "...the level in a combination square is great if you're building a fence. People who purchase Bridge City tools have other tools for this purpose, put your energy into creating a great square with a sliding blade that stays accurate."

The scribe evoked a similar sentiment. Like our focus group, we believe the small scribe is of limited use, often lost because of its diminutive size. As a result, it is not found on our version of this important shop aid.

2. Almost universally, our focus group suggested that our combination square should "look and feel like it came from Bridge City". These comments reflect the fact that we typically manufacture from copper based alloys, primarily brass, and wood. It became apparent from these comments that one of the essential "functions" of our tools, in the eyes of our customers, is "inspiration" as well as accuracy. Appearance, accuracy, and quality of manufacture are equally important. With this in mind, we set off to work.

About Our Design

With a commitment to accuracy and our traditional "look and feel" thoroughly addressed, We are pleased to introduce the CS-12 COMBINATION SQUARE, the newest edition in our ever growing family of precision tools.

To ensure accuracy between the blade and the square head over time, we have recessed two steel friction pads into each CS-12 COMBINATION SQUARE head that come much closer to the hardness of the steel blade. This allows us to use brass, which does not rust in humid environments. This tool maintains accuracy as well as a very unique appearance.

The Blade

Each CS-12 blade is 12" in length and is satin-chromed for excellent "readability". Graduations are both english and metric. It is an attractive and accurate blade for generations to appreciate.

The Square Head

Precision milled work surfaces assist the function of maintaining the accuracy you expect from Bridge City Tool Works. The solid brass square head, inlaid with two precise Juara™ wood infills on each side, is the heart of the CS-12. Capturing the warm combination of wood and brass, this component is an inspiration as well as an accurately machined reference (within .002" on both the 90 and 45 degree legs of the tool). The grace, dignity and simplicity of the CS-12 creates a stunning example of our motto, "***Quality is Contagious***". Your efforts will significantly improve with this beautifully crafted tool in your hands.

CS-12 Combination Square

1102-082 Juara™ Wood $125.00

(club price $112.50)

Custom Engraving: The CS-12: 8 characters..

Dear Woodworker and Bridge City Customer:

Welcome to our 1996/97 catalog! It is an ongoing pleasure to supply you with the finest tools the world has to offer.

We have added the Freud router bit line this year for your consideration. Year after year, these bits are rated #1 in the industry by most of the major tool studies. The reason is simple, the cuts are as smooth as smooth gets, and they last, and last and last. This is what value is all about-bang for the buck. Try one or two, you will not be disappointed!

My favorite tools include any of our AS series squares, they are all field adjustable-and we can't make them fast enough. For pure aesthetics and function, I invite you to consider our new combination square, the CS-12. It is the fastest selling tool in our history. The craftsmanship is first rate, sure to be an inspiration for generations to come.

Have fun perusing the pages of our catalog, in our 13th year. As always, our staff is here to serve your needs. Please give us a call (1-800-253-3332) if you have questions, suggestions or complaints.

Happy woodworking!.

Warm regards,

John Economaki

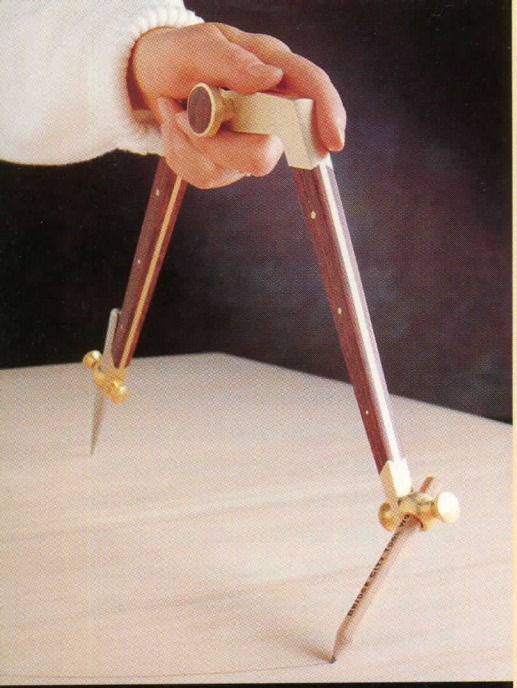
President, & CEO

P.S. All of the quotations used throughout this catalog are unsolicited comments from our customers.

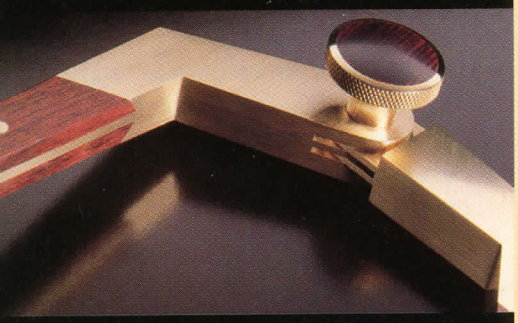
Custom Engraving

Engrave your name or initials on your Bridge City tools. Whether to protect your investment or to give loved ones something of you to cherish in generations to come, this inexpensive service adds personal expression to your tools. This is a service we recommend because someday, somebody is going to inherit your tools and your special moniker will have meaning far beyond what many can imagine today.

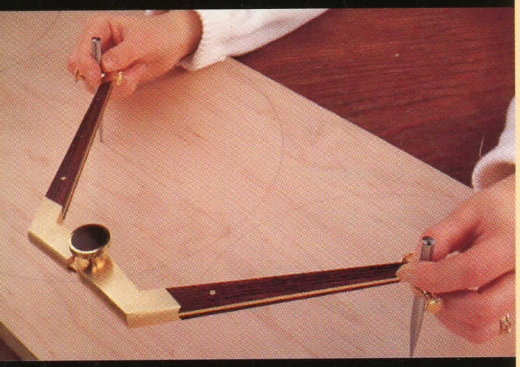
Engraving capabilities vary by tool. Maximum characters (including punctuation and spaces) are indicated with each tool. Custom engraving is available for $2.00 per letter (punctuation is free). Bridge City Tool Club Members receive the first three letters free and additional letters at half price. Please indicate your preference on the order form.



Canting the drawing tool makes marking a breeze.



The multi-leaf hinge prevents the "wing" found in mass produced tools.



The DC-40 DIVIDING COMPASS can also be used as a beam or trammel-type tool.

"I can honestly say that I have never purchased a tool as beautifully crafted as your compass. I don't know whether to use it or just sit and look at it."

The DC-40 DIVIDING COMPASS is an invaluable tool for any active woodworker or craftsperson. It's made to perform without disappointment and should be cherished for generations to come. Arcs and circles up to 40" in diameter are easily scribed or drawn with this tool.

The DC-40 DIVIDING COMPASS is both a compass and a divider. A compass consists of two legs which are hinged at one end. One leg is the pivot point and the other lays down an arc with a drawing point. Dividers also consist of two hinged legs with each leg terminating in a sharp scribe point. In both cases, the primary functions are to enable you to scribe or draw arcs and circles. Additionally, dividers allow you to develop geometric shapes, transfer distances from a scale to your work and assist you in dividing a length into smaller segments.

The DC-40 DIVIDING COMPASS is milled from solid brass. Inset into each leg are two compound dovetailed Juara™ wood cheeks. This design makes the tool lighter and less flexible than if it were solid brass. The combination of brass and wood creates a visually stunning example of our toolmakers love for craftsmanship.

The heart of a well made divider/compass is the ability of the tool to remain firmly locked at the setting you need. Our multi-leaf hinge joint is a unique and practical solution to obtain this rigidity. This design has enabled us to build a compass without the "wing" found in mass produced versions. You will not have any difficulty setting or locking this tool in place. Like our bevels, this mechanism is sealed from dust and grime to ensure years of trouble-free work.

Each scribe point in the DC-40 DIVIDING COMPASS is independently adjustable. This feature allows you to scribe arcs and circles when the center point is not in the same plane as the intended arc or circle. This is very handy for face plate turning and similar shop applications. But best of all, this adjustability allows you to fine tune the tool to accurate dimensions. If you find your tool is scribing an arc slightly off your intentions, simply adjust one of the points in or out to compensate accordingly.

What makes the DC-40 DIVIDING COMPASS particularly valuable is the ability to adjust the points perpendicular to the legs, in effect, converting the divider to a beam or trammel-type tool. Where the ultimate in accuracy is needed, this is the configuration you should use. And because the points are adjustable, this feature will allow you to layout dimensions in a space much smaller than a traditionally designed tool.

This tool comes with its own pencil, but will hold almost any hex pencil, many ball point pens and other assorted drawing instruments. You can adjust the angle of any point or drawing tool to the work surface. When the drawing point trails the leg of the compass it's possible to draw large arcs and circles with only one finger touching the tool! This feature allows you to draft circles and arcs with unprecedented ease.

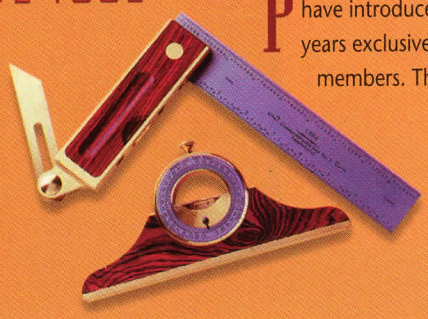
The radius capacity of the DC-40 DIVIDING COMPASS is from 0" to 20". This will allow you to strike a circle up to 40" in diameter. This is truly a beautifully made and accurate instrument. It is a great tool for any wood shop.

1102-061	DC-40 Dividing Compass	$168.00	(Club $151.20)
6501-004	Protective Tool Bag (X-Large)	$3.95	(Club $3.55)

Custom Engraving is available: DC-40: 24 characters

THE ANNUAL COMMEMORATIVE TOOL

There is a reason you do not see these tools for sale in the pages of our catalog.



Pictured are two of the special tools we have introduced over the past couple of years exclusively to Bridge City Tool Club members. They will not be made again.

This is one of the many exciting benefits of becoming a Bridge City Tool Club member. If you love tools and love to save money, visit the back of our order form for futher details.

DIVIDING COMPASS

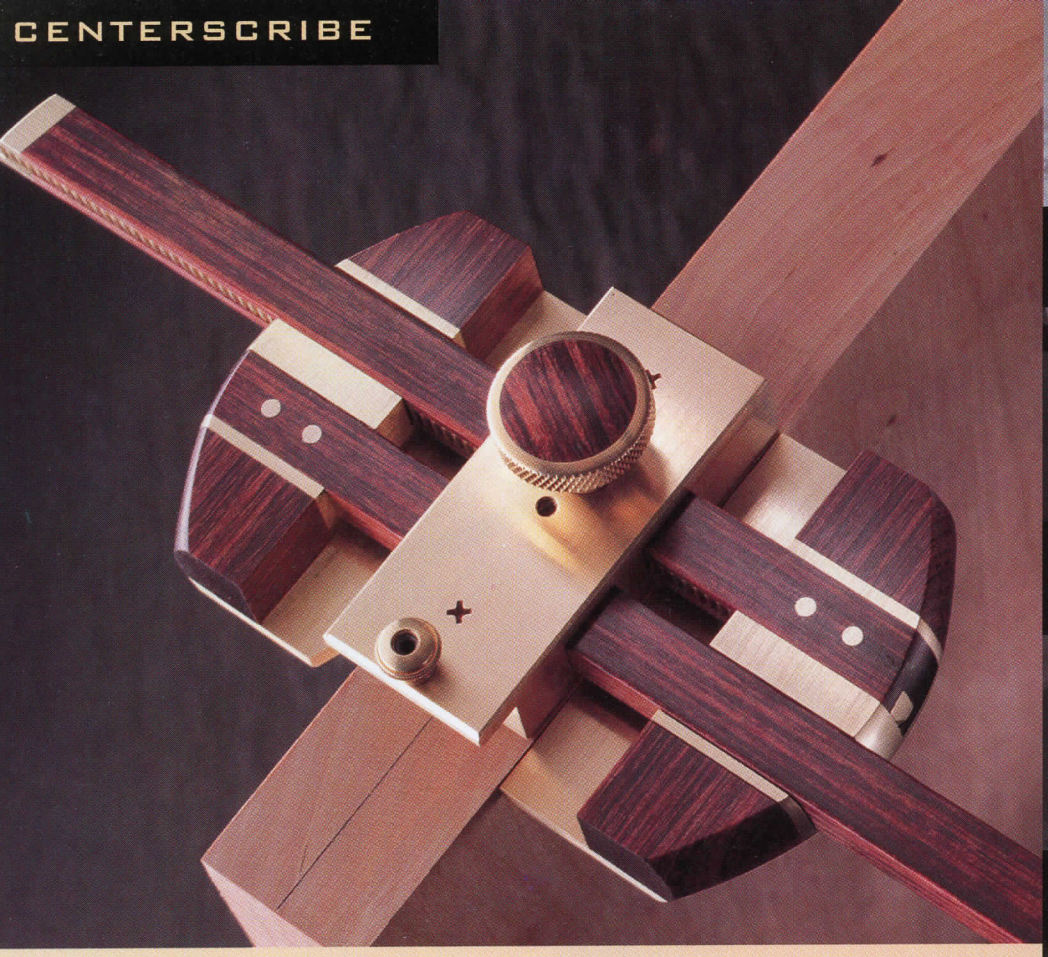
SPECIFICATIONS

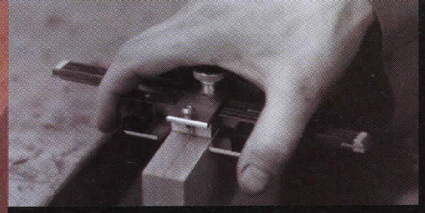
Legs: Solid 360 alloy, half-hard brass, Juara™ wood inlay, 8-3/4" length, weight 1 lb.

Scribe Points: Hardened steel (Rc 60), centerless ground, 4" length.

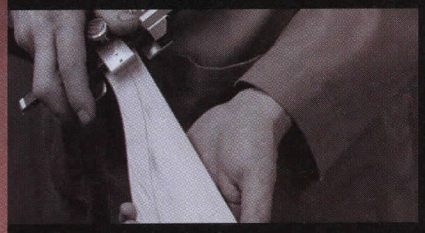
Brackets: Solid 360 alloy, half-hard brass, 5/16" maximum diameter.

Knob: Solid brass, knurled with Juara™ wood infill.

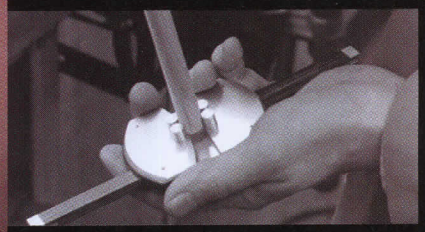




You can use your CS-1 Centerscribe to scribe perfect, continuous centerlines on straight or tapered stock.



Perfectly parallel lines are easily scribed on either concave or convex curves.



There is not a faster or more accurate way of locating center on round or square stock.

SPECIFICATIONS

Accuracy: plus or minus .002".
Body: Solid 360 alloy, half-hard brass, solid Juara™ wood.
Rails: Juara™ wood with solid 360 alloy, half-hard brass end caps, brass gears.
Traveler: Solid 360 alloy, half-hard brass, rack and pinion mechanism.
Scribe Points: Precision ground, hardened steel.
Guide Buttons: Solid 360 alloy, half-hard brass.
Knob: Solid brass, knurled with Juara™ wood infill.

"I'm 61 years old, have been working in wood for over 40 years and thought I had seen everything. Your CenterScribe has been a long time coming..."

In woodworking, particularly furniture making, there are many applications where you need to divide by two, or find center. Just the thought of dividing 3 7/32" in half reminds me of my fourth grade teacher (not a pleasant memory). The CS-1 CENTERSCRIBE removes all mathematical computations for finding or scribing center on square, rectangle, round and curved stock. The CS-1 CENTERSCRIBE is quick, uncomplicated, reliable, and a joy to use. It will allow you to find center and scribe center lines on stock up to 7 3/8" wide.

Want to find center on a 3/8" dowel? No problem. Want to find the center of a 6 3/8" by 4 3/32" rectangle? No problem. Accuracy is within two thousandths of an inch! It will also allow you to scribe continuous centerlines on tapered stock or scribe lines parallel to curved surfaces. There are no graduations to read or interpolate, and there are no mistakes to be made from erroneous math computations.

The CS-1 CENTERSCRIBE employs a rack and pinion mechanism to move opposing arms in a synchronous motion around a fixed scribing point. Simply put, when one arm moves, the other moves exactly the same amount in the opposite direction. This simple idea completely removes the possibility of mathematical errors in your work. The end result is dead-on center that you can trust, in seconds! This enables you to determine center on drawer fronts (for pulls), determine the centerline for hinge screws, determine the centerline for doweling or plate joiners, determine the pivot point for spindle turning, scribe a line for resawing work, or a myriad of other useful applications.

Functions include:

- *scribing a centerline on stock up to 7 3/8" wide*
- *scribing a parallel line on straight edges up to 3 5/8" from the edge (a marking gage will also do this)*
- *scribing a parallel line on curved edges up to 3 5/8" from the edge (a marking gage won't do this accurately)*
- *locating dead center on the end of square stock up to 5 1/4" square (no tool will do this as quickly)*
- *locating dead center on the end of round stock up to 7 3/8" diameter (no other tool will do this accurately)*
- *locating center or scribing a centerline on tapered stock accurately and quickly*
- *scribing a continuous centerline down the length of round stock, and much more.*

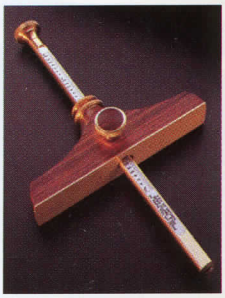
This tool quickly becomes indispensable. The CS-1 CENTERSCRIBE is an elegant, simple and welcome addition to any shop.

1102-051	CS-1 CENTERSCRIBE	$169.00	(CLUB $152.10)
6501-001	PROTECTIVE TOOL BAG (SMALL)	$3.95	(CLUB $3.55)

Custom Engraving is available: CS-1: 18 characters.
All of our tools are available in one or more specially priced sets. See page 30 for details.

"I own just about every tool you folks have made and this tool is the most useful in my shop. It makes me feel good every time I touch it."

THE DG-2 DEPTH GAGE



The DG-2 DEPTH GAGE is three tools in one; a **depth gage**, a **marking gage** and a **hook rule**. Add the optional height gage attachment and you have one of the most useful and versatile tools we produce.The DG-2 DEPTH GAGE features a built-in zero adjustment. By simply setting the tool on a flat surface and allowing the depth stem to bottom out, the tool can be calibrated to zero. All depth readings are made at the top of the tool, you do not have to remove the tool from your work to check the rule. The DG-2 DEPTH GAGE is a very handy shop aid and has a myriad of useful functions. Some obvious uses include: depth readings in blind situations, rabbet and dado depth measurements and depth of cut measurements from routers. The DG-2 DEPTH GAGE is available in English or Metric.

This tool converts to one of the nicest marking gages you have ever seen. Simply attach the beveled cutter and the precision rule allows you to set your cutter distance with accuracy in record time. This cutter is identical to those in our patented marking gages and leaves an identical razor clean mark. For those of you who have always wanted a *graduated* marking gage, this is your tool. When you attach the beveled cutter with the major diameter facing the sole of the tool, you can use the depth stem as an accurate hook rule.

THE HG-2 HEIGHT GAGE ACCESSORY

With this handy accessory you can accurately measure heights of table saw blades, shaper spindles, etc. This device also measures the exact height of radial arm saw blades off the table. For those of you who own radial arm saws, this tool is indispensable. You can also measure the depth of a drill on a drill press. Very handy.

Let's say you want your ¼" spiral router bit set exactly for a ⅜" depth of cut. Set the height gage to ⅜" and place the tool on the bottom of your router or on top of your router table. Spin your bit up until it touches the steel height gage pad. Violá! You're off and running. No second guesses, no trial and error. One word sums it up: **productivity.**

The DG-2 DEPTH GAGE and the HG-2 HEIGHT GAGE ACCESSORY are the most versatile tools we produce. See for yourself why tens of thousands of woodworkers rely on our tools to help them in their pursuit of quality craftsmanship.

1102-047	DG-2 Depth Gage (specify English or Metric)	$115.00 (Club $103.50)
1102-055	HG-2 Height Gage Accessory	$62.00 (Club $55.80)
1102-048	DG-2 Additional Stem (specify English or Metric)	$29.95 (Club $26.95)
6501-003	Protective Tool Bag for DG-2 (Large)	$3.95 (Club $3.55)
6501-001	Protective Tool Bag for HG-2 (Small)	$3.95 (Club $3.55)

Order The Complete Set and Save $8.00!

The set includes: one DG-2 DEPTH GAGE in English, one HG-2 HEIGHT GAGE ACCESSORY, and one Additional Stem in Metric.

1111-008	Depth Gage Set	$198.95 (Club $179.05)
6501-103	Protective Tool Bag Set (2)	$7.50 (Club $6.75)

Custom Engraving is available: HG-2: 28 characters, the DG-2 cannot be personalized.

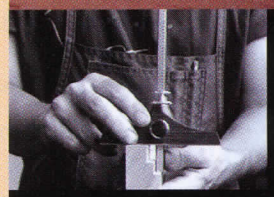


Figure 1. To measure depths, loosen the locking knob and let the depth stem drop. The readout sleeve shows the exact measurement.

Figure 2. Attach the cutter to the bottom of the depth stem and the tool becomes a marking gage.

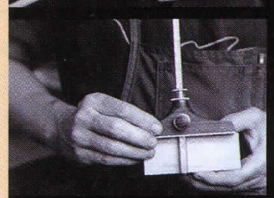


Figure 3. Reverse the cutter and it makes an excellent hook rule.

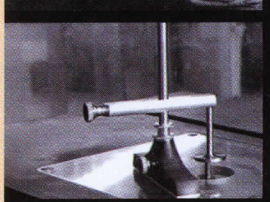


Figure 4. With the HG-2 Height Gage, precise router bit settings are easily achieved.

Figure 5. HG-2 reads heights from above or below a reference surface.

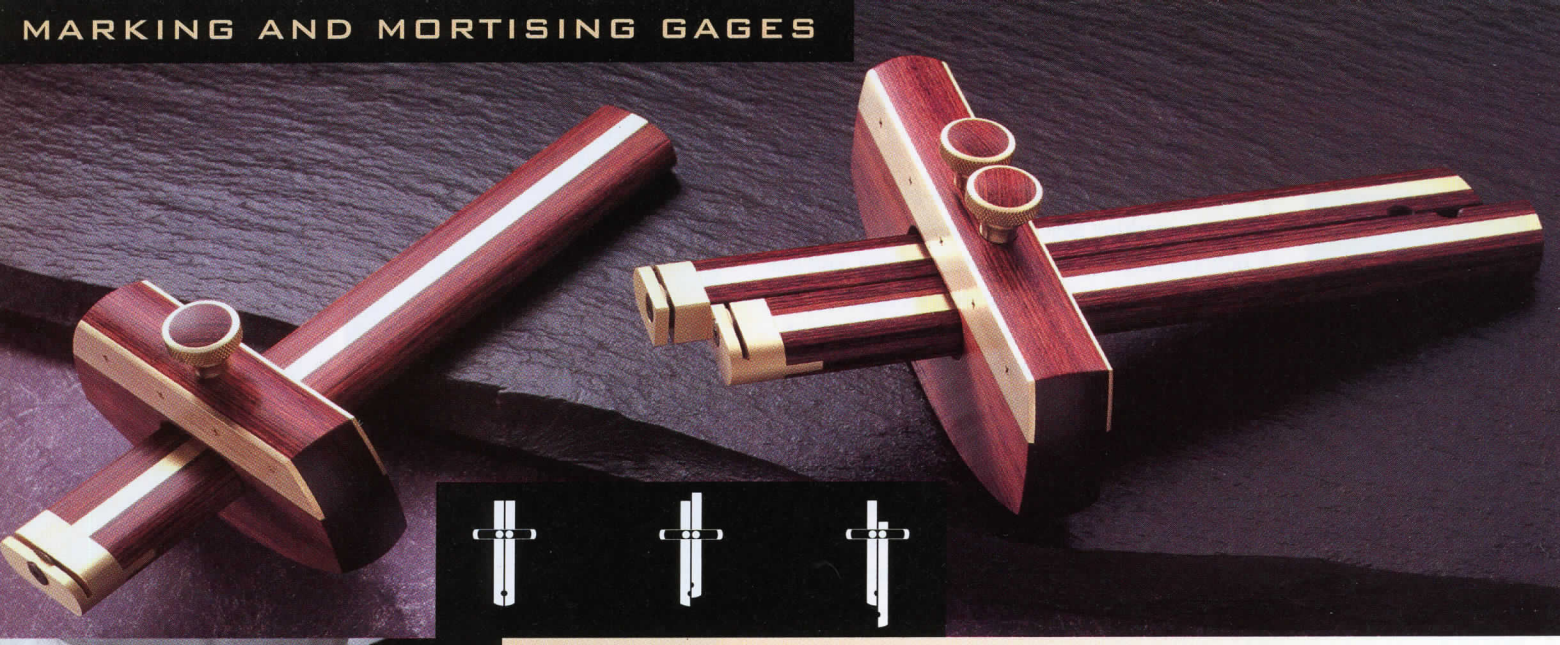
SPECIFICATIONS

DG-2

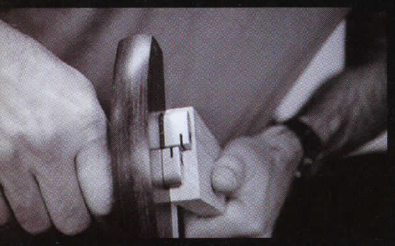
Capacity: 5 inch depth English version, 130mm depth Metric, 3/8" minimum hole diameter.
Cutter: Hardened steel, Rockwell 62, pre-sharpened.
Body: Solid Juara™ wood, faced with 360 alloy brass wear plate, 5-7/8" sole.
Stem: 8-1/4" length, solid brass, faced with hardened steel, satin chrome measurement scale.
Knob: Sold brass, knurled with Juara™ wood infill.

HG-2

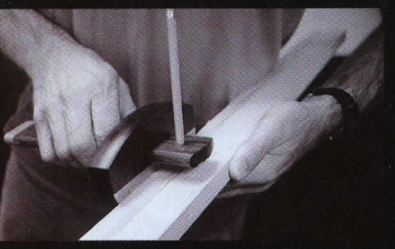
Capacity: 5" height English version, 130mm height Metric.
Body: 360 alloy, half-hard brass, 5-1/16" length, 2-3/16" black oxide arm with foot pad.
Knob: Solid brass, knurled with Juara™ wood infill.



The MG-1 MARKING GAGE scribes a precise and even line with knife-quality marks.



The MG-2 MARKING/MORTISING GAGE is great for parallel layout work when making mortise and tenons.



The MG-2 will also hold a standard pencil for panel work when you don't want a permanent mark.

SPECIFICATIONS

Capacity: MG-1 7-5/8", MG-2 8-1/16".
Cutters: Hardened steel, Rockwell 62, pre-sharpened.
Fences: Solid Juara™ wood, faced both sides with 360 alloy brass wear plates. MG-1 fence length is 4", MG-2 fence length is 5-1/2".
Stems: Solid Juara™ wood, faced on one side with 360 alloy brass wear plates.
Knobs: Sold brass, knurled with Juara™ wood infill.

"The mark from my MG-2 is just like a marking knife...what a treat!"

Our marking gage family are equipped with state-of-the-art cutting discs which slice through wood like it was chocolate. These hardened steel (Rc 62) cutting discs are precision turned and beveled. The wedging action of the disc draws the fence against the edge of your work ensuring straight lines even in coarse grained wood.

You will get razor clean marks in one pass, with no chance for the cut to drift with the grain. Your entry and exit marks are in the same place as the rest of your scribed line.

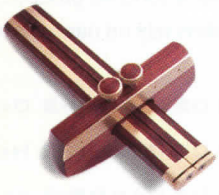
One eighth of each cutter is exposed (they do not rotate during use) allowing for eight "blade changes" before the cutters need to be sharpened. For heavy users, these cutters will stay sharp 4–6 years and for many, this tool will never need to be sharpened!

Made of Juara™ wood and brass, their compelling and simple design creates tools which are elegant and comfortable to work with. I hope you enjoy the way they look, I know you will enjoy the way they work.

MG-1 MARKING GAGE

This is the best tool for scribing a single line. The MG-1 MARKING GAGE will handle any marking job up to 7⅝" with ease. Its 4" fence length will always maintain positive registration of the tool to your work. One of our infilled brass knobs locks the MG-1 where you want it and keeps it there. This tool will make a fine addition to any shop.

MG-2 MARKING/ MORTISING GAGE



The MG-2 MARKING/MORTISING GAGE is used to layout double or single lines. For mortising work, the second stem of the MG-2 MARKING/ MORTISING GAGE is really handy. You can also use the MG-2 to grip a standard pencil for when you do not want a permanent mark.

Custom Engraving is not available for either tool

1102-011	MG-1 Marking Gage	$95.00	(Club $85.50)
1102-012	MG-2 Marking/Mortising Gage	$135.00	(Club $121.50)
6501-003	Protective Tool Bag (Large) for MG-1 or MG-2	$3.95	(Club $3.55)

Buy Both Marking Gages and Save $10.00!

1111-005	Marking Gage Set	$220.00	(Club $198.00)
6501-107	Protective Tool Bag Set (2)	$7.50	(Club $6.75)

ORDER TOLL FREE 1-800-253-3332

A Tool Lost in Time, Reborn Just in Time to Save You Time!

"The fact that this tool is a great panel gage and an accurate beam compass boggles my mind. You people must have the best jobs in the world... I would love to come to work at your company!"

THE PG-24 PRECISION PANEL GAGE

This tool will accurately scribe or draw lines, circles and arcs to the center of a 48" wide panel. The panel gage, the largest of the marking gage family, is the tool you use to layout or determine parallelism over distances greater than six to eight inches. This occurs frequently in furniture building and is a task easily suited to the large capacity of the PG-24 PRECISION PANEL GAGE.

AN ADDED TREAT: THE PG-24 PRECISION PANEL GAGE IS ALSO A 24" PRECISION BEAM COMPASS!

Patiently waiting in the threaded brass sole of your PG-24 PRECISION PANEL GAGE is a steel pivot point. With a small screwdriver, remove the point and reverse it (visible in Figure 2). You now have a delightfully functional beam compass, capable of scribing arcs up to 46" in diameter! You can scribe arcs with the precision knife, or you can use the beautiful brass collet to clamp in a pencil (Figure 3). With either application, the PG-24 PRECISION PANEL GAGE is a versatile shop compass that will provide you with accurate circles and arcs for decades to come. A large marking gage and a compass in one tool—a combination tough to beat!

1102-079 PG-24 Precision Panel Gage

$205.00 (Club $184.50)

Custom Engraving not available

Figure 1 The PG-24 uses a circular knife, that will not need to be sharpened in your lifetime! You spend your time producing, not maintaining.

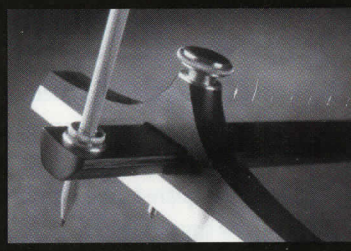


Figure 2 The collet on the PG-24 will securely hold a pencil for those applications where a scribe line is to be avoided. Use this feature for straight lines or circles.

Figure 3 Scribing arcs and circles up to 48" in diameter is easy with the PG-24 panel gage. It is a true "double duty" tool that is fun to use. Here we used the PG-24 to determine the center of the board and for the curve at the end. No other tools were used!

SPECIFICATIONS

Capacity: PG-24, 1/2"-24".
Cutter: Hardened steel, Rockwell 60, pre-sharpened.
Fences: Solid Juara™ wood, faced with 360 alloy brass wear plate.
Beam: Solid Juara™ wood.
Knob: Solid knurled brass, with Juara™ wood infill.

BRIDGE CITY TOOL WORKS

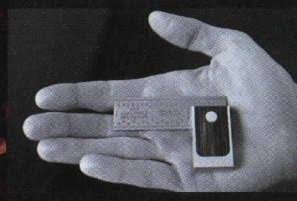
ADJUSTABLE TRY SQUARES

SPECIFICATIONS

Accuracy: Field adjustable, factory set to 90 degrees, plus or minus .001" over the blade length, inside and outside.
Handle: Solid 360 alloy, half-hard brass, Juara™ wood infill.
Blade: Hardened steel (Rc 54), satin chrome finish, photochemically etched graduations (32nds).
Blade dimensions are as follows:

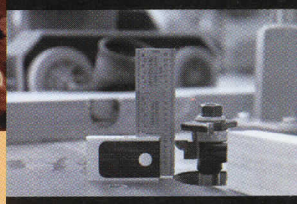
Tool	Outside	Inside	Width	Thickness
AS-14	14"	12.375"	1.50"	.080"
AS-9	9"	7.50"	1.50"	.080"
AS-5	5"	4.00"	0.92"	.045"
AS-3	3"	2.000"	0.92"	.041"

Adjusting the accuracy of these squares is quick and easy, ensuring a lifetime of accurate use.



Nothing beats a tool sized for the job. This square has been a long time coming.

The slide stop on the AS-14 allows for "no hands" work. This is a Bridge City exclusive!



Setting router bits are a snap for the AS-3.

"I've never written to you folks before, but this time you deserve it. The AS-14 Try Square is the finest tool I own."

TRY SQUARE DESIGN HAS NOT IMPROVED IN OVER 100 YEARS, UNTIL NOW...

Our new triangulation system (patent pending) represents a revolutionary development in try square design, shattering the paradigm of the fixed blade square as the definitive design solution. These new squares feature a proprietary blade/handle alignment mechanism allowing you to maintain squareness in the harshest of environments.

When any square takes an unexcused trip to the floor, the factory specifications typically go out the window. Now, for the first time, it is possible for anyone to recalibrate one of these squares with a simple hex key. Buried within the solid brass handle is a triangular (geometry's strongest shape) jack screw mechanism.

Should the tool fall out of tolerance, simply lay your square against the straight edge of a smooth board and scribe a line. Flip the handle 180° and align the blade along the line. Any deviation is twice the error of the tool. Adjust the set screws in the handle faces; loosening one, while equally tightening the other. This process takes a couple of minutes and your square, and confidence are restored.

These ADJUSTABLE TRY SQUARES are factory calibrated to plus or minus .001" over the length of the blade. This is unheard of accuracy! They feature graduated blades, made of satin chromed, hardened steel which are precisely aligned with both faces of the handle. The outside graduations are aligned with the outside face of the handle, allowing the tool to be used as a true measuring device. This rule reads exact "0" at the heel of the square and increases toward the tip of the blade to accurately read height or length distances. The inside graduations are aligned perfectly with the inside face of the handle, so it can be used as a hook rule.

THE AS-14 ADJUSTABLE TRY SQUARE

The AS-14 ADJUSTABLE TRY SQUARE is the largest square we offer. The graduated blade measures 14" on the outside and 12.375" on the inside, allowing you to layout lines and perform measurements down to 32nds of an inch. The AS-14 is also equipped with a built-in slide stop. This handy lever easily slides out and locks in place, holding the tool to your material and freeing up your hands for other tasks. This is a very popular feature! The AS-14 ADJUSTABLE TRY SQUARE is a valuable shop companion, which will serve your needs today, tomorrow and for generations to come.

THE AS-3, 5 AND 9 ADJUSTABLE TRY SQUARES

Made with the same exacting standards as the AS-14, the AS-3 measures 3" on the outside and 2" on the inside rule. It slips easily into an apron pocket and is perhaps the finest tool yet for setting router bit depths. Set it on your router base, spin the bit to the height on the rule and off you go. Another terrific function is the ability to get into confined spaces. Small drawers, scaled work, box making, toy making, model making, and joint work are but just a sampling of the applications for this new and exciting square. Because of its petite size, we highly recommend this tool for the young woodworker in your shop. The AS-5 and the AS-9 Squares are mid size tools. Pick the size appropriate for your needs or purchase all four in one of our specially priced sets mentioned on page 30.

1102-062	AS-14 Adjustable Try Square	$129.00	(Club $116.10)
1102-071	AS-9 Adjustable Try Square	$119.00	(Club $107.10)
1102-076	AS-5 Adjustable Try Square	$85.00	(Club $76.50)
1102-063	AS-3 Adjustable Try Square	$52.00	(Club $46.80)

Custom Engraving is available: AS-14 & AS-9: 20 characters, AS-5 & AS-3: 14 characters.

"It fits the hand like an extra finger."

SA-1 SCRATCH AWL

The SA-1 SCRATCH AWL is designed to compliment its "big brother" the SA-2. It is great for starting screw holes and making divots for brad point drills. The handle comes to rest in the palm of your hand, the point acting as an extension of your index finger. This immobilizes your wrist and allows you to transfer "weight" to the point. As a safety feature, the brass ferrule completely encapsulates the tang and directs all downward forces to the minor diameter of the handle. The SA-1 SCRATCH AWL is a delightful addition to any shop and saves the day when the SA-2 is too long.

"... a tool designed by somebody who knows woodworking."

SA-2 SCRATCH AWL

This is the finest scratch awl in the world today. Each Juara™ wood handle is flawlessly hand turned by master turner, Mark Stevens. The balance of this tool in your hand is unlike any you have ever experienced. The control of this awl, (somewhat like a conductor's baton) allows you to lay down lines in the tightest situations; like making dovetails, mortise and tenons or tracing profiles. The 4½" hardened steel blade is long and narrow, terminating in a very fine point. For ten years now, our SA-2 SCRATCH AWL has remained tops on the list of perennial best sellers, much appreciated by wood-workers, and equally prized by wood-turners and collectors.

1102-058	SA-1 Small Scratch Awl	$38.00	(Club $34.20)
6501-001	Protective Tool Bag (Small)	$3.95	(Club $3.55)
1102-018	SA-2 Bench Scratch Awl	$44.00	(Club $39.60)
6501-002	Protective Tool Bag (Medium)	$3.95	(Club $3.55)
1102-088	SA-3 Bent Tip Scratch Awl	$48.00	(Club $43.20)
6501-002	Protective Tool Bag (Medium)	$3.95	(Club $3.55)

See our specially priced sets on page 30.

Engraving not available on Awls.

I Have Never Used A Tool That Works As Well As This New Awl, It Is Great For Profile Work!

SA-3 BENT TIP SCRATCH AWL

The elegant simplicity of our scratch awl family continues with the introduction of the SA-3 BENT TIP AWL. It works efficiently, feels splendid in your palm, and will allow you to complete tasks that are rather awkward with a straight blade awl. The SA-3 Bent Tip Awl really shines in awkward places and is amazingly easy to use. Try it once and you will be hooked!

Made to the same exacting standards of the SA-2 SCRATCH AWL, and complete with a hand-turned Juara™ wood handle by master turner, Mark Stevens.

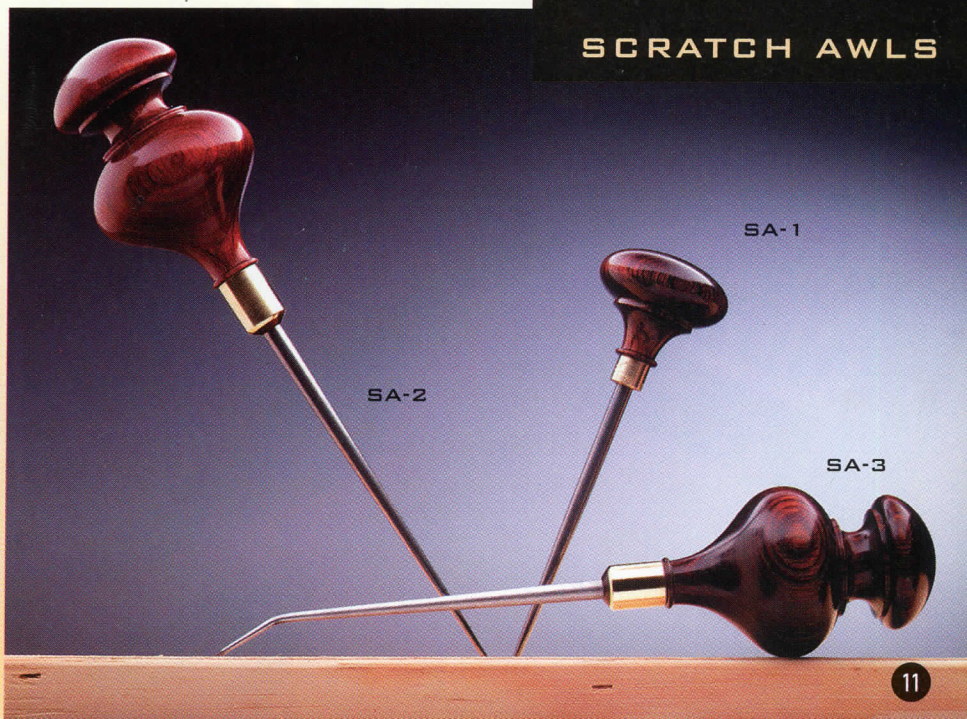
SPECIFICATIONS

Blade: Hardened steel Rc54, centerless ground and sharpened.

Handle: Solid Juara™ wood, hand turned. Solid brass ferrule.

Tool	Overall Length	Blade Length
SA-1	5"	3-3/8"
SA-2	8"	4-1/2"
SA-3	8"	4-1/2"

SCRATCH AWLS

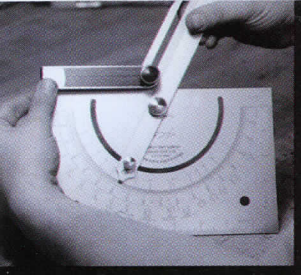


SPECIFICATIONS:

Accuracy: Squareness is plus or minus .002", parallelism is plus or minus .001".

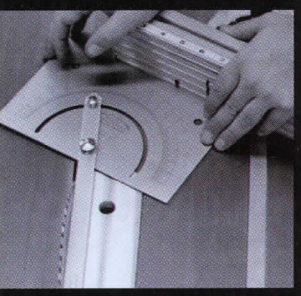
Face Plate: Hardened steel (Rc 54), satin chrome finish, photochemically etched and black filled, 9" length, 5-3/4" width, 0.075" thickness.

Indicator Arm: Hardened steel (Rc 54), satin chrome finish, 18" length, brass locking knobs.

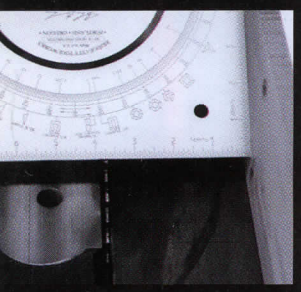


Here are just some of the uses for the BP-18 Bevel Protractor

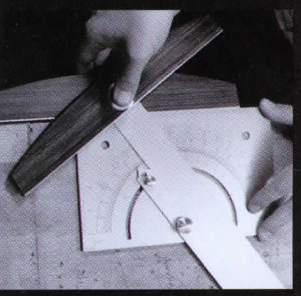
Set any obtuse or acute angle.



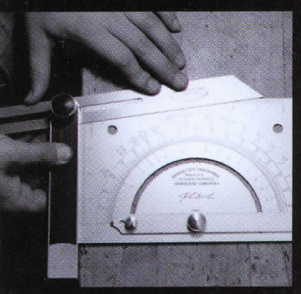
Direct set a table saw miter gage or radial arm saw to an accurate angle.



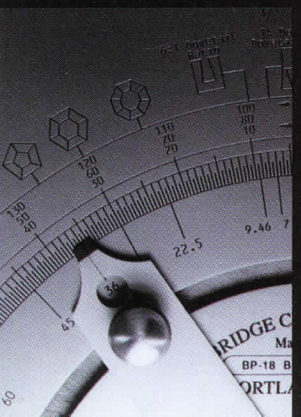
Set a machine fence with the right to left measuring scale.



Perfect for setting the AS-24 ADJUSTABLE ANGLE SQUARE.



Use adjacent measuring scales together to set angle ratios (ie: 7:1 dovetail profile).



Use "quick set" icons to make three, four, five, six and eight-sided mitered projects.

"I'm a professional woodworker and don't usually get excited about your expensive tools, but this protractor has paid for itself ten times over with the first job I used it on."

The BP-18 BEVEL PROTRACTOR is a "dead-on" accurate device that every woodworker will want to put to immediate use. And it is literally packed to the rafters with functionality!

The BP-18 BEVEL PROTRACTOR is made of satin chromed, hardened steel (Rc 54) which is photochemically etched and black filled to provide an accurate, easy read. Its scale reads directly to one half degrees and can easily be extrapolated to one quarter degree increments. The BP-18 BEVEL PROTRACTOR uses an eighteen inch pivot arm that contains a hairline cursor (beveled to avoid parallax errors) to set precise angles, and is factory calibrated to a perfect 90° setting.

The BP-18 BEVEL PROTRACTOR has many handy features that make it an extraordinarily useful shop aid. The large scale of the arc is almost eight inches in diameter, ensuring accuracy and readability. The indicator locks at the point of pivot, but also has a secondary locking mechanism for total stability of your settings. The 18" arm will allow you to layout many of your angles directly, without the need to transfer to another bevel. *This saves you time, improves your accuracy and is particularly useful in setting up table saw miter gages!*

Three sets of scale angles offer flexible use for reading from left to right, right to left, or from center. The TOP SCALE (marked "T") reads 180° on the left and progresses to 0° on the right. The CENTER SCALE (marked "C") is just the opposite. The BOTTOM SCALE (marked "B") starts with 0° at the top of the scale and reads to 90° going both left and right. *This bottom scale is the one most frequently used by woodworkers.*

There are "quick set" markings for five and ten degree increments. As well as, "quick set" icons for making three, four, five, six and eight-sided miter projects. This is terrific for box making, segmented bowl construction or picture framing. Other handy "quick set" icons include: 6:1 and 8:1 dovetail angles; the most common dovetail router bit profile (14°); as well as a host of slope settings. There is also a convenient "window" in the indicator arm to read the exact angles of all icon settings.

Useful shop formulas are etched on the reverse side of the BP-18 BEVEL PROTRACTOR plate.

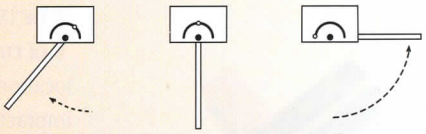
The front plate has adjacent measuring scales across the top and left edges. The top scale reads right to left by sixteenths and is very useful for setting up machine fences. The left scale, which reads left to right by twentieths can also be quite handy. These two scales can be used together to obtain ratio settings. For example, to make a dovetail profile that is 7:1, simply set your T-bevel on the 1" mark on one scale, and the 7" mark on the other! It's easy, fast and accurate!

The BP-18 BEVEL PROTRACTOR can be used independently or in conjunction with another adjustable bevel. Traditionally, the bevel protractor would be set at the chosen angle, then transferred to a T-bevel to set machines to acute or obtuse angles. *Since both long edges of the BP-18 BEVEL PROTRACTOR are accurate to the indicator, this is the perfect tool for setting T-BEVELS or the AS-24 ADJUSTABLE ANGLE SQUARE!*

The BP-18 BEVEL PROTRACTOR can also be used to bisect angles. Simply take a setting of the angle you wish to bisect with a T-bevel. Match the indicator arm of the BP-18 to the T-bevel. Read the angle and divide by two. Set the indicator arm to the new angle and transfer to the T-bevel. The BP-18 BEVEL PROTRACTOR will elevate your woodworking skills to another plane. Every shop will benefit from this incredibly useful tool.

BP-18 BEVEL PROTRACTOR

1102-057 $149.00 (CLUB $134.10)

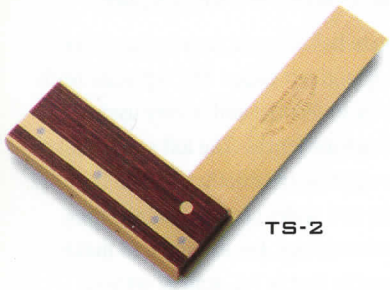


HERE IS ONE OF THE MOST USEFUL LITTLE GUIDES YOU WILL EVER OWN, PLEASE MEET: "THE WOODWORKER'S GUIDE TO COMPOUND MITERS".

In conjunction with the BP-18 BEVEL PROTRACTOR, we've published the *Woodworker's Guide to Compound Miters*. This complete guide covers all of the blade tilt and feed tilt angles for constructing compound angles on three to thirty-six sided vessels or frames. No woodworker should be without this simple and inexpensive guide.

WOODWORKER'S GUIDE TO COMPOUND MITERS

4405-002 $5.00 (CLUB $4.50)

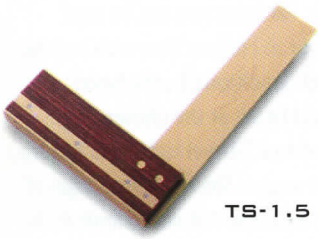


TS-2

"There's not a more accurate square in my shop."

Since 1976, this square has been cherished by craftsmen and collectors alike and is the benchmark of the hand tool industry. The TS-2 MASTER TRY SQUARE is the largest of our family of fixed blade squares (8" from heel to toe) and the most popular size with our customers. It is the square you will most often reach for when working with full-sized material.

1102-001	TS-2 Master Try Square	$58.00 (Club $52.20)
6501-003	Protective Tool Bag (Large)	$3.95 (Club $3.55)

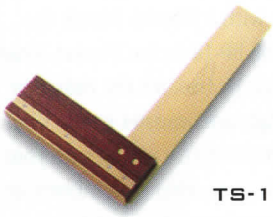


TS-1.5

"The perfect sized square for drawer making."

Matching a square to the job is an important aspect of craftsmanship. The TS-1.5 MID-SIZED TRY SQUARE is the "middle brother" of our squares. With a blade length of 6½" from heel to toe, it is sized exactly between the TS-1 and the TS-2. Consequently it is appreciated by those who do box work, or make case goods and drawers.

1102-052	TS-1.5 Mid-sized Try Square	$54.00 (Club $48.60)
6501-003	Protective Tool Bag (Large)	$3.95 (Club $3.55)

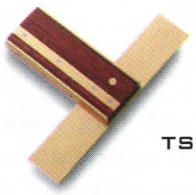


TS-1

"The finest small square made anywhere."

Whether you're checking a drawer for square or the accuracy of your table saw blade, the TS-1 JOINTMAKER'S TRY SQUARE is the perfect small square for the job. It measures 5" from heel to toe and fits in your apron pocket! It is a perfect companion square to the TS-2. The TS-1 JOINTMAKER'S TRY SQUARE is always a favorite gift for that special woodworker or friend.

1102-002	TS-1 Jointmaker's Try Square	$49.00 (Club $44.10)
6501-001	Protective Tool Bag (Small)	$3.95 (Club $3.55)



TS-3

"...an ideal square for making joints."

The TS-3 DOUBLE TRY SQUARE is a handy tool designed to check the edges of cut stock. It fits in your apron pocket and is perfect for use at machine locations. The TS-3 gets into those tight places which are impossible or impractical for any other squares, like checking the shoulders of a mortise or tenon. The TS-3 is a perfect complement to our family of squares, and a useful addition to your shop.

1102-004	TS-3 Double Try Square	$46.00 (Club $41.40)
6501-001	Protective Tool Bag (Small)	$3.95 (Club $3.55)

BUY ALL FOUR AND SAVE $8.00!

1111-001	Fixed Blade Try Square Set	$199.00 (Club $179.10)
6501-106	Protective Tool Bag Set (4)	$14.95 (Club $13.45)

Custom Engraving is available: TS-1, TS-1.5 and TS-2: 30 characters, TS-3: 24 characters.

SPECIFICATIONS

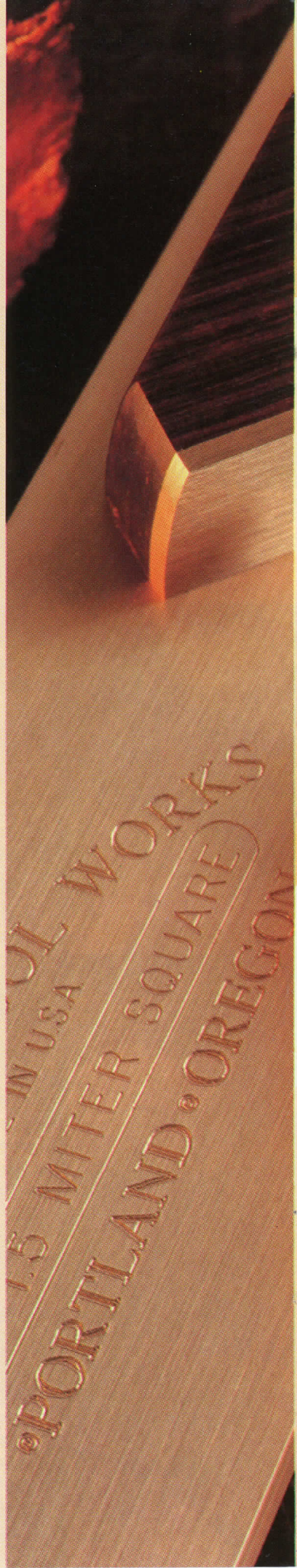
Accuracy: 90 degrees, plus or minus .002" over the blade length, inside and outside.

Handle: Solid Juara™ wood, faced on both sides with 360 alloy half-hard brass wear plates, rivets are anchored in solid brass seats, both sides.

Blade: 360 alloy, half-hard brass.

Blade dimensions are as follows:

Tool	Blade Length	Width	Thickness
TS-2	8"(heel to toe)	1.50"	.125"
TS-1.5	6.50"(heel to toe)	1.25"	.125"
TS-1	5"(heel to toe)	1"	.094"
TS-3	1.875"(inside, each side)	1"	.094"

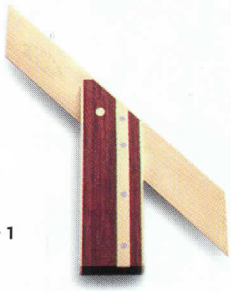


"I finally am able to make miter joints without filler!"

The MS-1 JOINTMAKER'S MITER SQUARE is designed for intricate miter work. The blade is 6¼" long. It is perfect for small-scale work and is ideal for face frame or edge miters. MS-1, like its little cousin the TS-1 JOINTMAKER'S TRY SQUARE, fits in your apron pocket. Makes a great gift or starter tool for any woodworker.

1102-005 MS-1 JOINTMAKER'S MITER SQUARE — $56.00 (CLUB $50.40)

6501-001 PROTECTIVE TOOL BAG (SMALL) — $3.95 (CLUB $3.55)



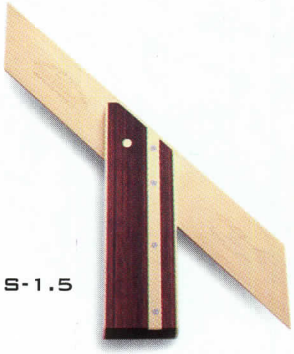
MS-1

"This tool is the perfect size for picture frame making."

If the MS-2 is too big and the MS-1 too small, the MS-1.5 MID-SIZED MITER SQUARE is for you. This is also a great companion square to the TS-1.5 MID-SIZED TRY SQUARE. With an 8¼" blade length, this is not a common size tool and therefore has become quite popular in the marketplace. For "gap free" miters, try this square on for size.

1102-053 MS-1.5 MID-SIZED MITER SQUARE — $60.00 (CLUB $54.00)

6501-002 PROTECTIVE TOOL BAG (MEDIUM) — $3.95 (CLUB $3.55)



MS-1.5

"Anyone who makes mitered frames will save money and time with this tool."

The MS-2 MASTER MITER SQUARE is the largest of our family of miter squares and our most popular size. With a substantial 9½" blade length, it is as inviting to hold as it is to use. Every shop needs an accurate reference for 45 degrees and you simply cannot go wrong with this one.

1102-006 MS-2 MASTER MITER SQUARE — $64.00 (CLUB $57.60)

6501-003 PROTECTIVE TOOL BAG (LARGE) — $3.95 (CLUB $3.55)

MS-2

"I never knew you could buy a square set to 22½ degrees. Thank you, thank you, thank you!"

If you thought the simple miter joint was tough, try making octagons! Each cut represents a potential error that will be multiplied by 16 when the frame or box is assembled! You simply cannot afford to guess when that many sides are involved. The MS-3 22½ DEGREE MITER SQUARE has a blade length of 7¼". It is perfect for all octagonal work and other uses which include inlayed floors, frames, planter boxes, etc. A unique and great addition to any wood shop.

1102-056 MS-3 22½ DEGREE MITER SQUARE — $60.00 (CLUB $54.00)

6501-003 PROTECTIVE TOOL BAG (LARGE) — $3.95 (CLUB $3.55)

MS-3

BUY ALL FOUR AND SAVE $10.00!

1111-002 MITER SQUARE SET — $230.00 (CLUB $207.00)

6501-105 PROTECTIVE TOOL BAG SET (4) — $14.95 (CLUB $13.45)

Custom Engraving is available: MS-1: 24 characters, MS-1.5, MS-2 and MS-3: 30 characters.

SPECIFICATIONS

Accuracy: Plus or minus .002" over the blade length, both sides.

Handle: Solid Juara™ wood, faced on both sides with 360 alloy brass wear plates, Solid brass inlay rivet seat, both faces.

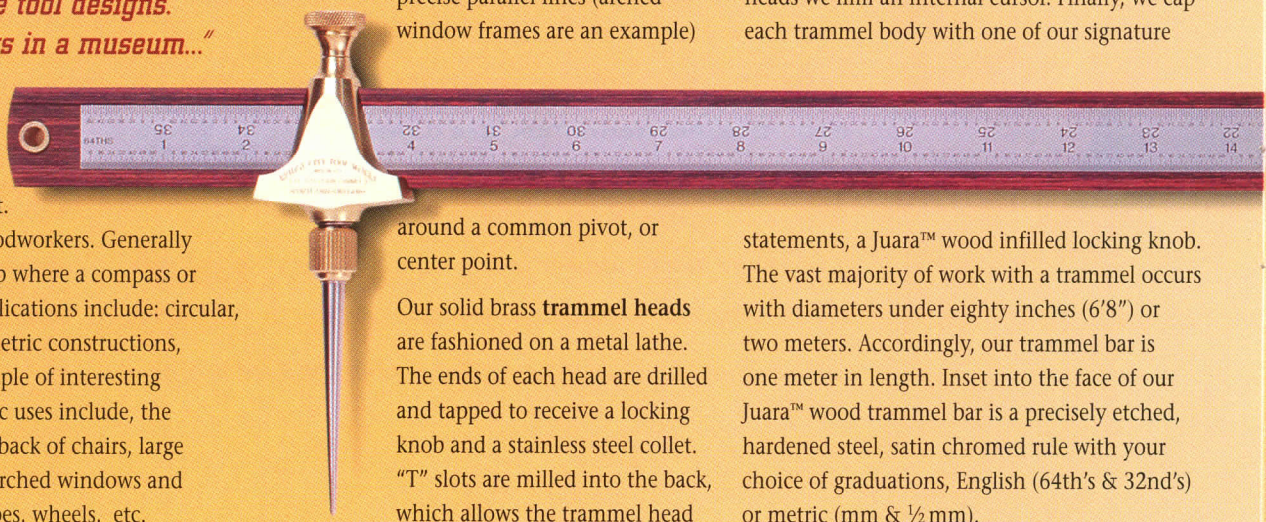
Blade: 360 alloy, half-hard tempered brass. Blade dimensions are as follows:

TOOL	DEGREE	LENGTH	WIDTH	THICKNESS
MS-1	45°	6.25"	1"	.0938"
MS-1.5	45°	8.25"	1.25"	.0938"
MS-2	45°	9.50"	1.50"	.125"
MS-3	22.5°	7.25"	1.25"	.125"

SPECIFICATIONS
Points: Hardened steel (Rc 60), Diameter: .300", Length: 5"
Heads: Solid 360 alloy half-hard brass, Juara™ wood infill brass locking knob.
Bar: Juara™ wood with photochemically etched, black-filled 1 meter rule. Graduations in English (16th's & 32nd's) or metric (mm & 1/2 mm).
Special Features: "T" bars prevent trammel heads from coming off bar. Multiple bars can be fastened together.

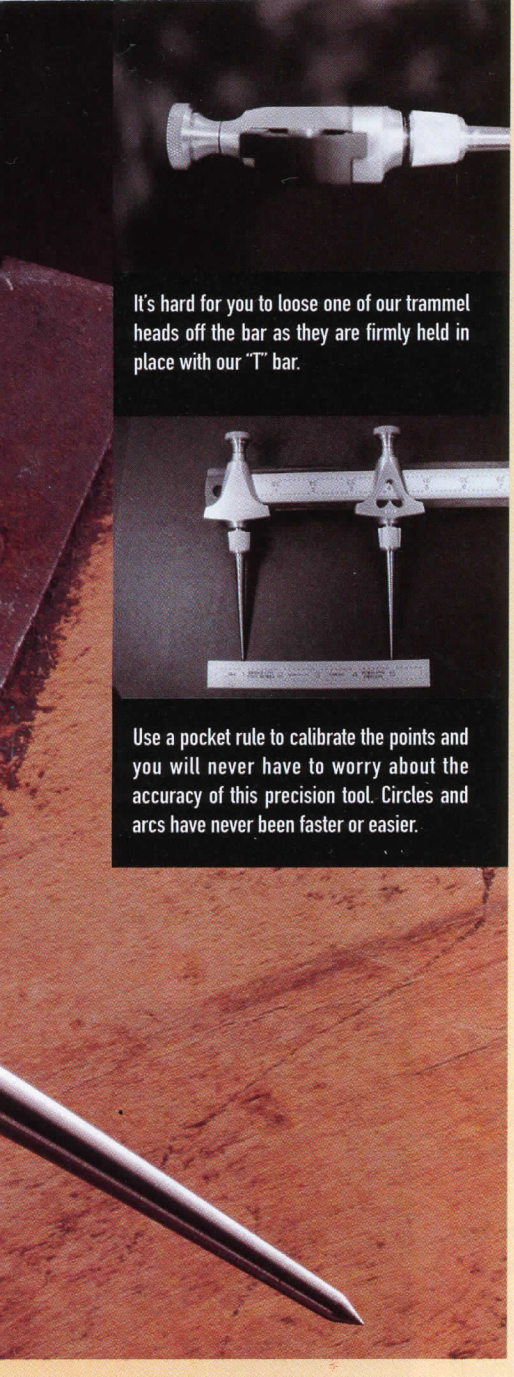
"I don't know how you folks keep coming up with these tool designs. Your trammel belongs in a museum..."

A trammel set is the tool for large geometric construction and layout. It is an essential tool for woodworkers. Generally speaking, a trammel picks up where a compass or dividers leave off. These applications include: circular, arc, and ellipse layout, geometric constructions, repetitive spacing, and a couple of interesting measuring functions. Specific uses include, the generation of curves for the back of chairs, large curves at the end of tables, arched windows and doors, round tables of all types, wheels, etc.



Three heads are used to lay out precise parallel lines (arched window frames are an example) around a common pivot, or center point.

Our solid brass **trammel heads** are fashioned on a metal lathe. The ends of each head are drilled and tapped to receive a locking knob and a stainless steel collet. "T" slots are milled into the back, which allows the trammel head to be attached to the trammel bar. On one of the heads we mill an internal cursor. Finally, we cap each trammel body with one of our signature statements, a Juara™ wood infilled locking knob. The vast majority of work with a trammel occurs with diameters under eighty inches (6'8") or two meters. Accordingly, our trammel bar is one meter in length. Inset into the face of our Juara™ wood trammel bar is a precisely etched, hardened steel, satin chromed rule with your choice of graduations, English (64th's & 32nd's) or metric (mm & ½ mm).



It's hard for you to loose one of our trammel heads off the bar as they are firmly held in place with our "T" bar.

Use a pocket rule to calibrate the points and you will never have to worry about the accuracy of this precision tool. Circles and arcs have never been faster or easier.

Additionally, our trammel bar design allows for multiple bars to be fastened together for very large arcs and circles.

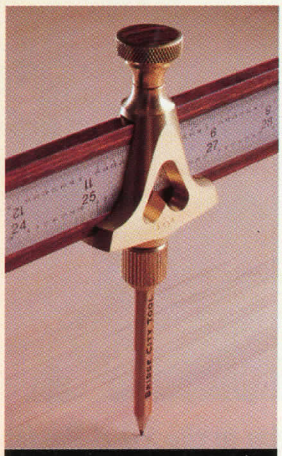
HOW YOU USE THE PT-1 PRECISION TRAMMEL

Our recommendation is to scribe using the hardened steel points. They leave a very sharp, crisp line. Should you need a pencil mark, it's very easy to convert one point. Loosen the collet nut on one trammel head, pull out the steel scribe and insert a pencil of similar length.

The PT-1 PRECISION TRAMMEL initially needs to be calibrated in order to use the inset rule. Let's say one year from now, you decide to hone one of the points. It is entirely feasible that you will not keep the point exactly dead center along the center axis of the scribe. *This process takes less than one minute.* Here's how it's done...

The trammel head ***without** the cursor (or window)* is always the **Pivot Trammel.** The trammel ***with** the cursor* is the **Scribing Trammel.** Loosen both trammel points. Lock the scribing trammel head at exactly four inches on the trammel bar rule. Now place this point on the *five inch* mark of any good rule. Slide the pivot trammel point to exactly the *one inch* mark on your rule and lock in place.

You have just calibrated the trammel points by setting them exactly four inches apart (This technique avoids using the end of the rule, which is bad practice). As long as you do not change the pivot trammel setting, all future settings of the scribing trammel are accurate. Anytime you sharpen the points, use a pencil, or change the pivot point setting, you will need to recalibrate the scribing point if you wish to use the trammel rule.



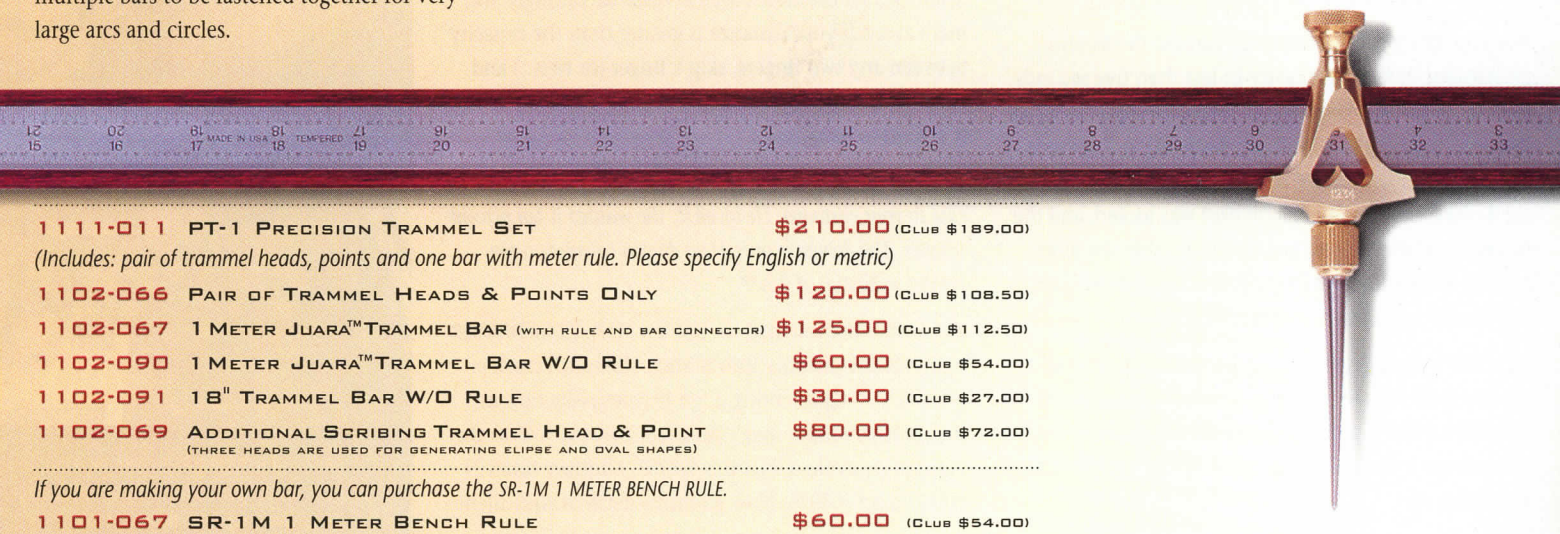
The PT-1 Trammel Head will accept pencils as well as the hardened steel scribe point.

For extremely accurate work, you will need to minutely adjust the scribing trammel. Simply adjust the scribing point using the rule as a guide. It is very easy to adjust this head in 1/64" or .5mm increments. Loosen the pivot trammel slightly and nudge the trammel head forward with your thumb until the point is exactly where you want it. Unless you are working on the Hubbell Space Telescope, you will never need this kind of accuracy in wood.

Tables, chairs, wheels, graphics, and geometry development, including; pentagons, hexagons, and octagons, are all vastly easier with a trammel set. You can also use a trammel to check the accuracy of a glued-up carcase. The PT-1 PRECISION TRAMMEL SET can be a very effective way to accurately determine case squareness during assembly. *Remember, measurements across diagonal corners in any square or rectangular shape will be the same only if the corners are square.*

Other uses include accurate step measurements where you need an index mark repeated evenly along a straight line. This is handy for the layout of shelf supports and drawer runners.

The PT-1 PRECISION TRAMMEL SET is a special tool. It is a visual inspiration in the shop and an eager and highly capable performer in the hands of an appreciative owner. No shop should be without this beautifully crafted and versatile tool. *Patent pending.*



1111-011	PT-1 Precision Trammel Set	$210.00	(Club $189.00)
(Includes: pair of trammel heads, points and one bar with meter rule. Please specify English or metric)			
1102-066	Pair of Trammel Heads & Points Only	$120.00	(Club $108.50)
1102-067	1 Meter Juara™ Trammel Bar (with rule and bar connector)	$125.00	(Club $112.50)
1102-090	1 Meter Juara™ Trammel Bar W/O Rule	$60.00	(Club $54.00)
1102-091	18" Trammel Bar W/O Rule	$30.00	(Club $27.00)
1102-069	Additional Scribing Trammel Head & Point (three heads are used for generating elipse and oval shapes)	$80.00	(Club $72.00)
If you are making your own bar, you can purchase the SR-1M 1 METER BENCH RULE.			
1101-067	SR-1M 1 Meter Bench Rule	$60.00	(Club $54.00)

Custom Engraving is available: PT-1: 25 characters

Before I Formally Introduce You to the SD-6 Spider Divider, Take a Look at a Couple Scenarios and Real Life Examples We Field Tested:

Q: *You've got a board 11½" long by 3⅜" wide. You need five equally spaced holes along the length, down the centerline of the width. How long will it take you to layout the five cross hairs for drilling?*

A: The SD-6 SPIDER DIVIDER found the centerline and the five divisions in less than 11 seconds! A marking gage and a square were used to make the cross hairs. Total elapsed time: a whopping 29 seconds, and it was dead accurate!

Q: *You just pulled the clamps off of a cabinet and have discovered the center divider is slightly off center. This means the shelves on each side are going to be unequal lengths. What method would you use to determine interior dimensions, front and back for your shelf lengths?*

A: The SD-6 SPIDER DIVIDER determined the interior dimensions of the shelf cavity in less than five seconds (see fig. 2). We also checked the interior measurement at the back of the cabinet (with the back on) in 7 seconds. The smaller measurement of the two determined the shelf width. The SD-6 SPIDER DIVIDER was locked, and the distance was transferred directly to the table saw fence (see fig. 3). Sawdust was flying in less than one minute! Never once was a pencil or tape measure used.

Q: *Your skills are right where you want them and you are now ready to make that heirloom silver chest for your daughter's wedding present. Nothing but the best, so hand dovetails are a given. Should you use eleven, twelve, thirteen or fourteen pins?*

A: The SD-6 SPIDER DIVIDER really shines when assisting you to make interpretive decisions. There is no right answer here, but we looked at all the options in less than 2 minutes. This is a terrific tool for hand dovetails, and really shines with the adjustable dovetail jigs on the market (see fig. 4).

Q: *Your wife wants a bookshelf for the family room. You just went to the furniture store and measured bookshelves. The adjustable holes are on metric centers which you refuse to understand, but they appear to be approximately 1⅜" on center. How will the SD-6 SPIDER DIVIDER help in this project?*

A: This is an easy one. Anytime you want repetitive distances, set the SD-6 SPIDER DIVIDER accordingly and mark away. If your distance is greater than the capacity between any two fingers, skip a finger (or two...) and slide the tool down the length of your stock. It's so fast it is hard to imagine.

Q: *You just presented a prototype wooden presentation case to your customer. He loved it, she wanted it ten percent smaller. The debate is over. How do you calculate a ten percent reduction of 9⅞"?*

A: Forget the calculation. Use the SD-6 SPIDER DIVIDER to divide the distance into tenths. The ninth mark is 90% of 9⅞" representing a ten percent reduction in size. (For you math magicians, first convert 9⅞" to the decimal equivalent which is 9.875". Multiply times .9 and you get 8.8875. Now go find a decimal equivalent

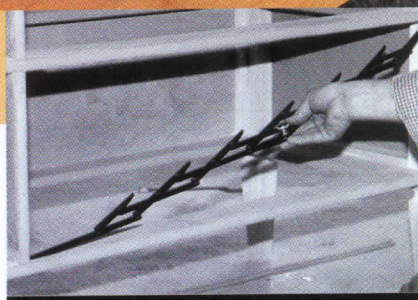


Fig. 1 SD-6 Spider Divider used to check for squareness for framing and carcase assembly.

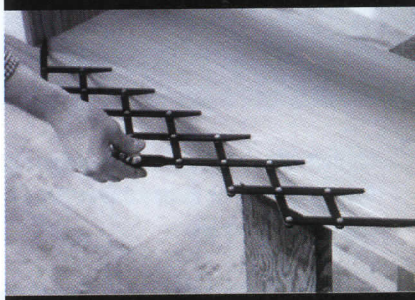


Fig. 2 Reading the width of a cabinet by extending the SD-6 Spider Divider between two points.

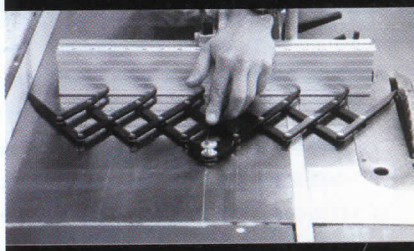


Fig. 3 Transfer of a reading to prepare for a cut. The SD-6 Spider Divider eliminates mistakes often made in the interpretive errors with the use of rulers.

chart and round to the nearest fraction you can read on your rule, and... there is no way you can beat the SD-6 SPIDER DIVIDER for speed or accuracy!

SD-6 SPIDER DIVIDER

The SD-6 SPIDER DIVIDER, is a revolutionary layout device that can make your time in the shop as productive as you have always dreamed.

Mathematically, the SD-6 SPIDER DIVIDER is a base six sectional divider with an additional leg to use as an outside caliper. This means you can divide your work by sixths, fifths, fourths, thirds or halves as well as tenths, ninths, and eighths, instantly. For example, to find tenths of a length, first find center (see fig. 5) and then divide each half into fifths. It takes seconds, and there is absolutely no mathematics involved for your brain to trip over. Or, use it as a measuring stick to determine interior dimensions up to 32" in length.

Made from black anodized aluminum, precision milled on computer milling equipment, the SD-6 SPIDER DIVIDER is an exciting addition to any shop. The effective capacity of the SD-6 SPIDER DIVIDER is 4" thru 27". The measuring capacity of the SD-6 SPIDER DIVIDER as an outside caliper is 32".

The SD-6 SPIDER DIVIDER is a terrific tool, guaranteed for life and is certainly destined to become one of your most popular tools.

1102-080 SD-6 SPIDER DIVIDER $125.00 (CLUB $112.50)

Custom Engraving: The SD-6 SPIDER DIVIDER will only accommodate 3 characters.

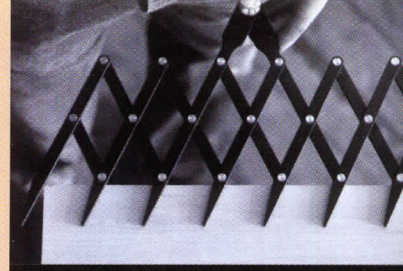


Fig. 4 Empirically dividing a board length to evenly lay out dovetails and other joints.

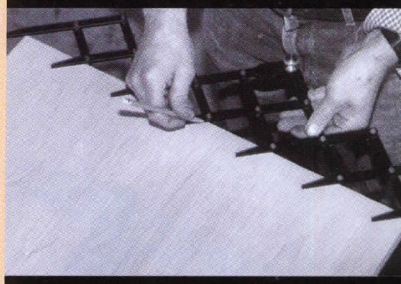
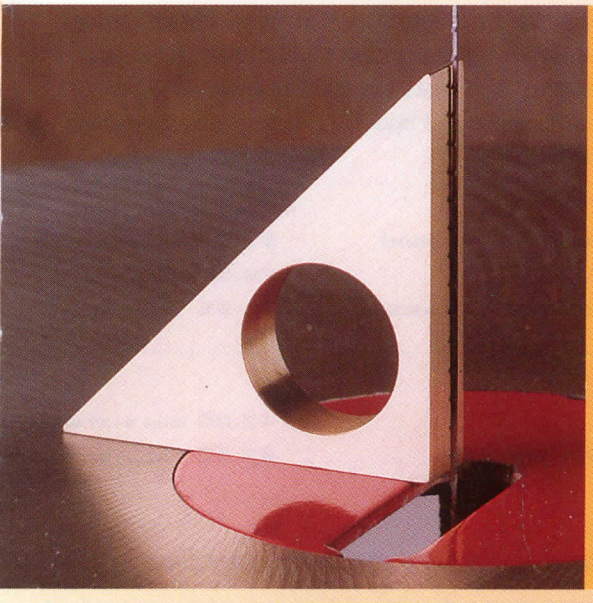


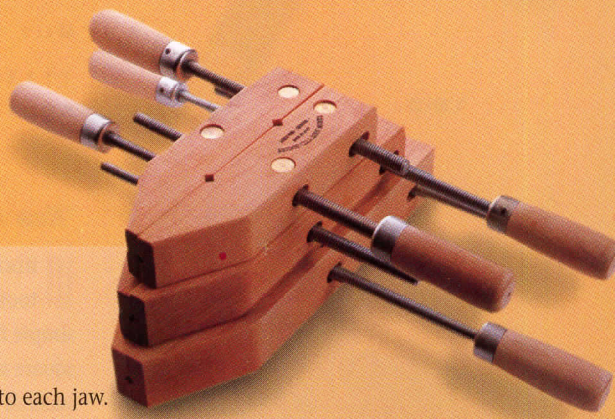
Fig. 5 Marking the center of a board.



Scroll Saw Owners: Here is The Small Bridge City Square You Have Been Waiting For!

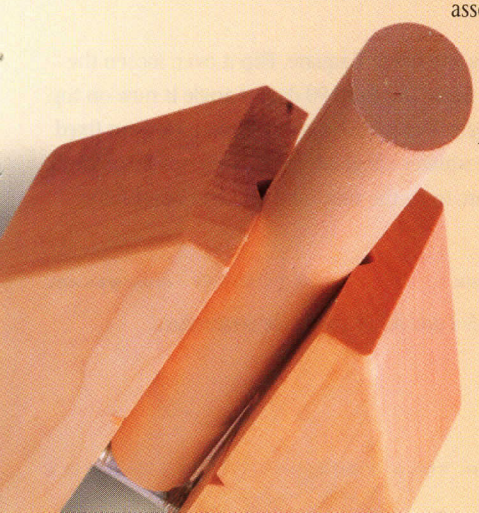
Setting a scroll saw to cut square is a chancy proposition until now. This beautiful small solid brass square will fit under the throat of any scroll saw. The ninety degree leg is 1.85" long. Works great for 45 degrees too. Really shines for all small scale work throughout your shop. Accurate to within .001", all angles. Will hang nicely on your machine or on a tool panel. A nice square for drill press work as well. Lifetime warranty.

1102-084 SS-1 SCROLL SAW SQUARE $14.95 (CLUB $13.45)

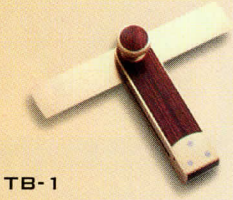


"Wow! Who thought you could also clamp round stock in a hand screw clamp?"

We've significantly improved the hand screw clamp by adding three "V" grooves to each jaw. These grooves allow you to hold round stock! Vertically or horizontally, you now can routinely drill holes in dowel, turnings and other assorted round projects. In addition, you can clamp square stock at 45 degrees, perfect for chair makers. We proudly offer our hand screw clamps in three popular sizes for your woodworking needs. Each clamp is made from northern hard rock maple and is guaranteed for life! For those who would like to save a couple of bucks and have a nice weekend project to boot, we're pleased to offer our clamp kits. You provide the wood, we take care of the rest, including providing you with turned handles!



6708-008	8" HAND SCREW CLAMP	$15.95	(CLUB $14.35)
6708-010	10" HAND SCREW CLAMP	$18.95	(CLUB $17.05)
6708-012	12" HAND SCREW CLAMP	$21.95	(CLUB $19.75)
6708-108	8" HAND SCREW CLAMP KIT	$8.50	(CLUB $7.65)
6708-110	10" HAND SCREW CLAMP KIT	$9.50	(CLUB $8.55)
6708-112	12" HAND SCREW CLAMP KIT	$10.50	(CLUB $9.45)
BUY THE SET AND SAVE!			
6708-001	ONE OF EACH SIZE CLAMP	$54.50	(CLUB $49.05)
6708-101	ONE OF EACH SIZE CLAMP KIT	$27.25	(CLUB $24.50)

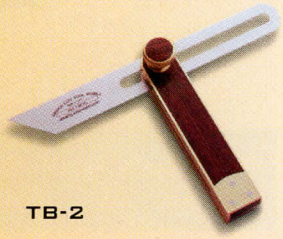


TB-1

"What a great tool for small scale work!"

The feel of the TB-1 T-BEVEL is magnificent. The function is even better. The handle is wrapped in 1/16" brass and the knob is large enough to enable a good grip. The whole mechanism is dust-proof for years of trouble-free work. The blade is bushed in the handle, so there is metal-to-metal contact, and it stays locked where you want it, ensuring the utmost accuracy. The TB-1 is designed in the tradition of the true T-bevels of yesterday. For fine joinery where an adjustable reference is called for, the TB-1 T-BEVEL is the tool.

1102-009	TB-1 T-Bevel	$65.00	(Club $58.50)
6501-001	Protective Tool Bag (Small)	$3.95	(Club $3.55)



TB-2

"The craftsmanship in these tools is astounding."

These SLIDING T-BEVELS will allow you to transfer an angle from a machine to your stock, or do odd angled layouts. The two biggest problems with bevels involve the inability of the blade to lock securely, and the locking mechanism, which interferes with the registration of the handle to your work. Neither of these problems occur with our bevels. From a manufacturing standpoint, our bevels are the most complicated tools we make, and once you get one in your hand, you'll see why. All of our hard work makes your work easy!

Each bevel employs a hardened steel (Rockwell 54), satin chromed blade. Our unique friction locking mechanism employs two seated and knurled washers which bear against the blade when the knob is tightened. It stays put until you change it. Every shop needs some sort of device to deal with non-reference angles. The TB-2 has a blade length of 7" and the TB-3 blade is 12" in length. In our opinion you won't find a better bevel than the two offered here.

TB-3

1102-010	TB-2 Sliding T-Bevel (7")	$69.00	(Club $62.10)
6501-002	Protective Tool Bag for TB-2 (Medium)	$3.95	(Club $3.55)
1102-046	TB-3 Sliding T-Bevel (12")	$79.00	(Club $71.10)
6501-004	Protective Tool Bag for TB-3 (X-Large)	$3.95	(Club $3.55)

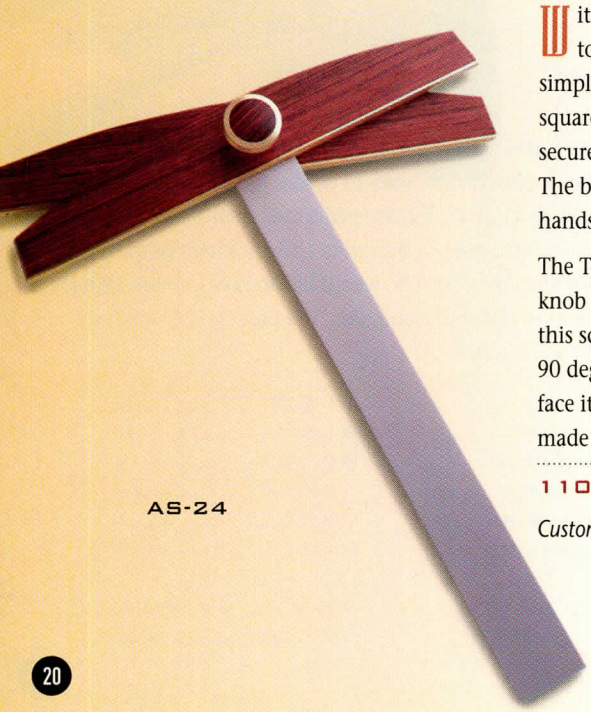
Buy the Pair and Save $6.00!

1111-004	Sliding T-Bevel Set	$142.00	(Club $127.80)
6501-104	Protective Tool Bag Set (2)	$7.50	(Club $6.75)

"Now that I own an AS-24, I have retired my framing square from my shop!"

Without question, the AS-24 ADJUSTABLE ANGLE SQUARE is the ultimate large square from our family of tools. There is nothing like it on the market. It features perfect squareness on one side, and with a simple flip of the handle, infinite adjustment over 180 degrees on the other side. The tolerance on the square side is an impressive plus or minus .006" over the length of the 22½" blade. The adjustable side is secured with a beautifully turned and knurled solid brass knob with perfectly crafted Juara™ wood infill. The blade is precision ground, hardened steel with a satin chromed finish to resist rust and to ensure its handsome look for years to come.

The T-handle design allows you to use the tool exactly like a drafting T-square. Flip it over, loosen the knob and you have a full-length, adjustable-angle square. Since the fixed 90 degree angle is now on top, this square will automatically plot the complementary angle. Flip it back over and you have your fixed 90 degrees back; the AS-24 is two squares in one! Framing squares are great for building houses but let's face it—they're lousy bench tools. We guarantee this square to be the most versatile and beautifully made large square available today.



AS-24

1102-013	AS-24 Adjustable Angle Square	$106.00	(Club $95.40)

Custom Engraving is available: TB-1: 28 characters, the TB-2, TB-3 and AS-24 cannot be personalized.

SPECIFICATIONS

TB-1
Accuracy: Blade and handle are parallel, plus or minus .001".
Blade: 360 alloy, half-hard brass, 5" length, 7/8" width, 3/32" thickness.
Handle: Solid Juara™ wood, wrapped 360 alloy brass wear plate, rivets are anchored in solid brass seats, both sides.
Knob: Solid brass, knurled with Juara™ wood infill.

TB-2 & TB-3
Accuracy: Blade and handle are parallel, plus or minus .001".
Blade: Hardened steel (Rockwell 54), satin chromed, TB-2: 7" length, 7/8" width, TB-3: 12"length, 1-1/8" width, 1/16" thickness for both.
Handle: Solid Juara™ wood, wrapped 360 alloy brass wear plate, rivets are anchored in solid brass seats, both sides.
Knob: Solid brass, knurled with Juara™ wood infill.

AS-24
Accuracy: 90 degrees, plus or minus .006" over the length of the blade.
Blade: Hardened steel (Rockwell 54), satin chromed, 24" length, 1-1/2" width, 1/16" thickness.
Handle: Solid Juara™ wood, faced with 360 alloy, half-hard brass wear plates.
Knob: Solid brass, knurled with Juara wood infill.

"Why aren't all rulers this easy to read?"

RULES DESIGNED ESPECIALLY FOR WOODWORKERS

These rulers were designed by us to accommodate the majority of measuring tasks encountered in a wood shop. Each rule is made from hardened steel (Rc 54) with photochemically etched graduations and satin chroming for an easy read. This process is expensive, but these rules will keep their grads for a lifetime.

SR-6 POCKET RULE

Your shop apron is not complete without an accurate 6" pocket rule. Our SR-6 POCKET RULE is unique in two ways. 1/32" graduations cap each end of the English rule; very handy for router work. And the top scale on the English rule will read both left to right and right to left. This feature is great for the many instances when you need to set a machine up and must read your rule from right to left; setting a table saw fence, for example. The SR-6 POCKET RULE is our most popular rule, and you will soon recognize it as one of your favorites as well.

SR-6 Pocket Rule (6")
1101-014 $9.00 (Club $8.10)

SR-12 BENCH RULE

Don't take apart your combination square when you need a bench rule! Not only is it a pain in the neck trying to find the parts from your combination square, but you are accelerating the wear and decreasing the accuracy of that tool by continually borrowing the blade for a ruler. Our SR-12 BENCH RULE is a gem of a bench rule, one you'll never let leave your side.

SR-12 Bench Rule (12")
1101-015 $17.00 (Club $15.30)

CR-18 CENTERING RULE

Made from a unique steel, this ruler is fully flexible, making it as much a drafting aid as a ruler. Combine this material with centering graduations and you have a tool which saves you time and reduces the chance of error. The CR-18 CENTERING RULE completely removes the mathematics from all sorts of centering tasks. It is particularly suited for centering or layout on curved surfaces such as chair backs. It also works great for drawer pulls, and a host of non-shop chores such as photography, weaving, quilting, etc. The CR-18 CENTERING RULE is a must for serious craftspeople.

CR-18 Centering Rule (18")
1101-016 $28.00 (Club $25.20)

SR-24 BENCH RULE

This is the long, accurate rule most shops need. One of the biggest mistakes a woodworker can make is to "chain" a series of measurements together from a smaller ruler to layout a long dimension. Not only is this bad practice, it's fertile ground for mistakes. When you need a longer measurement, you need a longer rule. We proudly offer our SR-24 BENCH RULE for these occasions. The SR-24 is a very precise, practical, and necessary tool for accurate large scale-work.

SR-24 Bench Rule (24")
1101-017 $36.00 (Club $32.40)

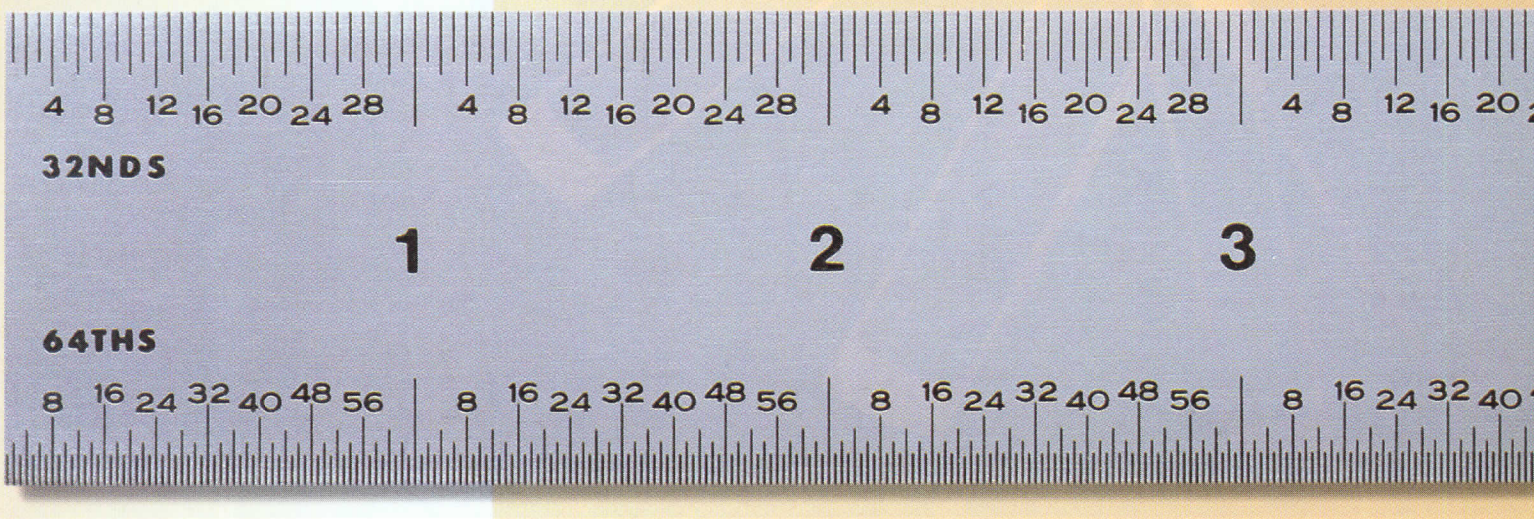
"No wood shop should be without an accurate reference for flatness."

THE SE-24 PRECISION STRAIGHT EDGE

At last an accurate and affordable reference for flatness designed specifically for woodworkers. The SE-24 PRECISION STRAIGHT EDGE is twenty-four inches of precision ground hardened steel. Its satin chrome plating prevents humidity and the natural acids in your hands from ruining the appearance and eventually the accuracy. The SE-24 is the perfect tool for checking plane soles, sighting wear in machine castings, setting up jointers, spotting the wind in a plank, and a myriad of other uses. This tool is a beautifully made, accurate (plus or minus .002") and dependable resource for the demanding craftsman. Every shop needs one and our SE-24 is an extraordinary buy. This is one of our most popular tools and is highly recommended.

1101-003 SE-24 Precision Straight Edge **$40.00** (Club $36.00)

SE-24 SPECIFICATIONS Flatness: plus or minus .002" over blade length, both edges.
Parallelism: plus or minus .004" over blade length. **Dimensions:** 24" length, 1½" width, 3/32" thickness.



SR-36 BENCH RULE

If you're using a yardstick in your shop you may want to consider upgrading to one of the world's finest 36" rules. This is the rule for designing or laying out large pieces. Also works great in setting up a pair of trammel points. This is our only "all Imperial" graduated rule (no metrics).

SR-36 Bench Rule (36")
1101-049 $52.00 (Club $46.80)

SR-1M BENCH RULE

This is a fully flexible, one meter rule with Metric graduations on one side and English on the other. This is the rule we use in our PT-1 PRECISION TRAMMEL BAR and have become fond of as a long measuring tool in the shop. Whether you use this rule to make your own trammel bar or as a stand alone full flex rule, it is a winner.

SR-1M Bench Rule (1 Meter)
1101-067 $60.00 (Club $54.00)

SAVE $8.00 ON OUR SIX PIECE RULER SET

1111-006 Six Piece Ruler Set **$194.00** (Club $174.60)

All of our tools are also available in one or more specially priced sets. See page 30 for details.

RULES SPECIFICATIONS

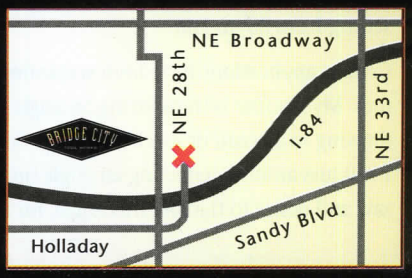
Rules: Hardened steel (Rockwell 54), satin chromed, photochemically etched graduations.

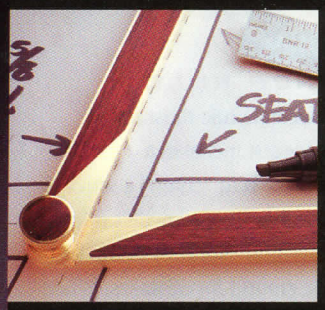
Tool	Length	Width	Thickness	English Grads	Metric Grads
SR-6	6"	3/4"	.040"	1/16" & 1/32"	mm & 1/2mm
SR-12	12"	1"	.040"	1/32" & 1/64"	mm & 1/2mm
CR-18	18"	3/4"	.020"	1/16" & 1/32"	mm & 1/2mm
SR-24	24"	1-3/16"	.040"	1/32" & 1/64"	mm & 1/2mm
SR-36	36"	1-1/8"	.040"	1/8", 1/16", 1/32" & 1/64"	
SR-1M	1 Meter	3/4"	.020"	1/32" & 1/64"	mm & 1/2mm

WHY BRIDGE CITY?

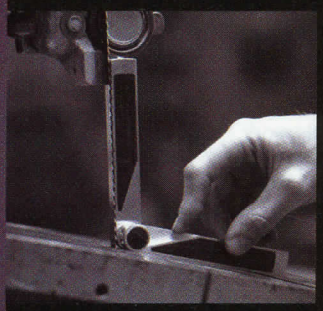
We are often asked where the name Bridge City came from. Well, if you lived in Portland, Oregon you wouldn't have to ask, because as everyone here knows, there are a lot of bridges in this city—eleven to be exact. Most are drawbridges—as Portland is a deepwater port, 100 miles inland! Come visit us some time and see for yourself!

If you are planning a trip to Portland, Oregon, Pencil in a visit to Bridge City Tool Works. We are hard to find but worth the trip. This map should help.





It was easy to pick up the center lines of a chair seat and rear leg, then transfer this reading to the miter gage of my table saw to accurately notch the seat.



Adjustable power tools are easily and accurately aligned with our TRANSFER BEVEL.

SPECIFICATIONS

Knob: Solid brass, knurled with Juara™ wood fill.
Legs: Solid 360 alloy half-hard brass, Juara wood infill.

Tool	Outside	Inside	Width	Thickness
BS-10	10"	9"	.97"	.35"
BS-5	5.25"	4.50"	.75"	.30"

"I have wanted a tool that does what this one does for over thirty years. Where have you folks been hiding?"

We combine Juara™ wood and brass to create a unique and useful tool—***a transfer bevel that lies in one plane.*** Now it is easy to accurately transfer angles from drawings to material or machine setups and vice-versa. Unlike the T-bevel, whose blade and handle reside in two different planes, the TRANSFER BEVEL sits evenly in one plane to provide a precise measurement.

The TRANSFER BEVEL can accommodate any angle setting from 20° to 180°.

Certain applications have been screaming for this tool. My favorite is transferring an angle from a drawing to a board or machine set-up. Sometimes I will fuss around perfecting an angle on my table saw and desire to transfer this angle, for future reference, to a sheet of paper without the bother of figuring out what the angle is. Now I can!

The BS-10 TRANSFER BEVEL measures 10" on the outside and 9" on the inside reference edge. It will fit the bill for most large jobs. The BS-5 TRANSFER BEVEL is handy for small scale work and fits easily in an apron pocket. It measures 5¼" on the outside and 4½" on the inside reference edge.

1102-065	BS-10 Transfer Bevel	$88.00	(Club $79.20)
6501-003	Protective Tool Bag (Large)	$3.95	(Club $3.55)
1102-064	BS-5 Transfer Bevel	$75.00	(Club $67.50)
6501-001	Protective Tool Bag (Small)	$3.95	(Club $3.55)

Buy Both and Save $6.00!

1111-010	Transfer Bevel Set	$157.00	(Club $141.30)
6501-103	Protective Tool Bag Set (2)	$7.50	(Club $6.75)

Custom Engraving is available: BS-10: up to 14 characters, BS-5: up to 10 characters.

"I have found it impossible to screw up the layout of dovetails with your dovetail square..."

THE DS-1 AND DS-2 DOVETAIL SQUARES

Finally, a tool which is permanently and accurately set to the most widely accepted angle for fine hand dovetails; the 8:1 ratio. The DS-1 DOVETAIL SQUARE allows you to lay out all of the angled lines for both the pins and the tails. And the same tool allows you to lay out the vertical lines. Traditionally, two tools are used for this purpose, the sliding T-bevel and a square. The DS-1 will always stay where you want it. (How many times has your T-bevel accidentally been "adjusted" when you did not want it to?). When using power tools to assist you in the cutting of dovetails, simply transfer the 8:1 ratio of the DS-1 to your T-bevel by butting them both up to a reference edge, and set the bevel.

DOVETAIL SQUARES are available exclusively from Bridge City Tool Works. Both allow layout of dovetails up to 1¾" in length and depth. The DS-1 is appropriate for very fine dovetails. The DS-2 (6:1) is designed for the softer hardwoods such as walnut, teak, and cherry.

SPECIFICATIONS
Accuracy: Plus or minus .002" over blade length, both angles.
Blade: 360 alloy, half-hard brass, 5" length, 1" width, 3/32" thickness.
Handle: Solid Juara™ wood, faced both sides with 360 alloy brass wear plates. Solid brass inlay rivet seats, both sides.

DS-1
8:1

DS-2
6:1

1102-007	DS-1 8:1 Dovetail Square	$50.00	(Club $45.00)
1102-008	DS-2 6:1 Dovetail Square	$50.00	(Club $45.00)
6501-001	Protective Tool Bag (Small) for DS-1 or DS-2	$3.95	(Club $3.55)

Buy the Pair and Save $4.00!

1111-003	Dovetail Square Set	$96.00	(Club $86.40)
6501-101	Protective Tool Bag Set (2)	$7.50	(Club $6.75)

Custom Engraving available: DS-1 and DS-2: 26 characters.

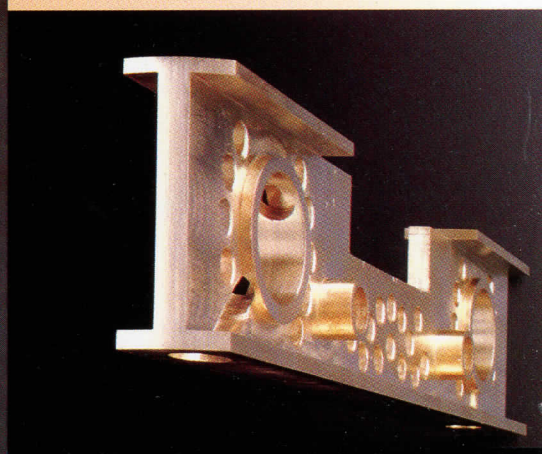
All of our tools are available in one or more of our specially priced sets. See page 30 for details.

"This tool is one of the most stunning tools I own. Please don't compromise your quality, as I am hopelessly addicted to your products..."

The BL-9 PRECISION BENCH LEVEL is without peer. Our craftsmen have combined the beauty of Juara™ wood and brass to proudly display the inherent appeal of a well made level. The BL-9 works in plumb, level and 45 degrees, and is accurate to within .001" of the sole. This is unheard of accuracy in a small level!

Starting with a solid, four-pound piece of 360 alloy, half-hard brass, our toolmakers have fashioned a level housing that will provide you with decades of faithful service. Using modern milling machine technology, we have created a solid I-beam construction (a stable and rigid design) which negates the traditional problems of warpage in a wood-bodied level. The BL-9 is precision machined to ensure that the plumb and 45 degree vials are true to the sole. Your children's children will enjoy this same precision, one hundred years from now.

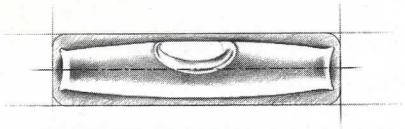
The BL-9 PRECISION BENCH LEVEL employs three of the finest glass bubble vials made in America. These precision vials are made from straight glass tubes which have been internally ground to create a very precise arc in the tube wall, known as a barrel radius. Filled with clear ether alcohol for its low viscosity, the resulting vials have a tolerance



The I-beam construction of our level housing is a stable and rigid design.

SPECIFICATIONS

Accuracy: Plumb and 45° vials, plus or minus 0.001".
Body: Solid 360 alloy, half-hard brass, Juara™ wood infill, 8-7/8" length, 1-7/8" height, 5/8" depth.
Bubble Vials: Glass, barrel radius, clear ether alcohol spirit, tolerance of 300 seconds on a 2m scale +/- 30 seconds.
Windows: Soda-lime glass, sealed with "O" rings.

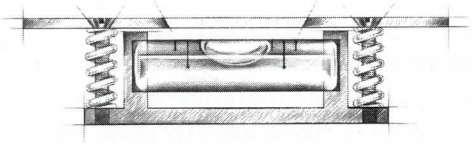


The precision glass tube has been internally ground to create a very precise arc.

of 300 seconds on a 2mm scale ±30 seconds.

Soda-lime glass windows, buffered and sealed on each side by "O" rings, protect the plumb and 45 degree vials from typical shop hostilities.

The top vial, which reads level, is *adjustable*. It reads from the top or the side, depending on your needs. This feature is crucial to the long term accuracy needs of an active craftsperson. The plumb vial and the 45 degree vial *never*



The top vial adjusts to level with the turn of a screw.

need adjusting because they rest in holes which are precision drilled in relation to the sole. Should your level ever experience a nine-point-nine dive to a cement floor, we can quickly skim cut a brand new sole, restoring the tool's accuracy. The sole of the BL-9 PRECISION BENCH LEVEL has a recess cut out to facilitate leveling pipes and non-flat work.

Applications

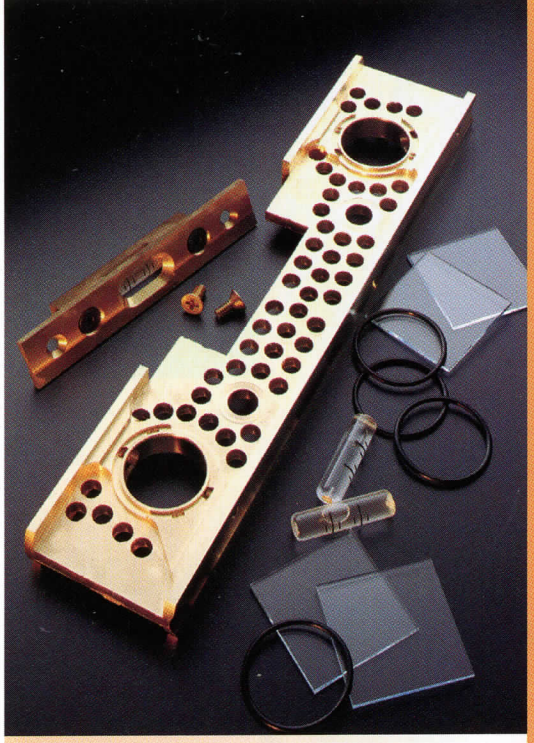
Your woodworking machines are designed to be run on a level plane; it makes a big difference in their longevity. And your workbench surface is much more pleasant to work on when your tools are not rolling to the floor. Pendulum clocks can benefit from a level setting, as well as stationary appliances. The installation of cabinets, wall hangings, paintings, and interior finish carpentry are just the tip of the iceberg for your new BL-9 PRECISION BENCH LEVEL.

The BL-9 PRECISION BENCH LEVEL is approximately 9" long, two inches tall and ¾" from front to back. It is accurate, easy to read, and a joy to use.

BL-9 Precision Bench Level
1102-059 $175.00 (Club $157.50)

Protective Tool Bag (Medium)
6501-002 $3.95 (Club $3.55)

Custom Engraving is available: BL-9: 30 characters.



Look–the BL-9 is also available as a kit!

If you're looking for that perfect Sunday afternoon project, try our new BLK-9 PRECISION BENCH LEVEL KIT. All you need is that special piece of wood that you've been saving, plus five or six hours, and you have a terrific level for yourself or that special friend or relative. You can smile and say: "I made it myself!".

All components except the wood cheeks are supplied. Step by step instructions are included. The accuracy and functions of the tool are identical to the finished version supplied by our gifted toolmakers. (We have eliminated the fixture holes in the kit version for ease of assembly.) All metal working is completed. You cut and fit the wood cheeks, assemble all parts and sand finish. A nice coat of paste wax finishes off the job. This a rewarding, challenging (but not too difficult) and fun project.

BL-9 Precision Bench Level Kit
1102-059K $129.00 (Club $116.10)

A note about bubble vials

The vast majority of all consumer levels sold today use straight plastic vials. This creates a serious accuracy problem that far outweighs the "unbreakable" nature of plastic; the main marketing point. Vial breakage is not an issue when the tool has a lifetime warranty.

In order to create an accurate vial, there must be some way of "trapping" the bubble in the center of the vial. This allows the user to determine minute changes in level without the bubble riding off to one end. Accurate antique levels employed a curved glass vial for this purpose. A straight plastic tube, although unbreakable, runs counter to the accuracy expectations of the most casual user, unless "unbreakability" is the only criteria.

Today, precision vials are made from straight glass tube. And unlike plastic tube vials, the modern glass tube vial is *internally* ground to create a very precise arc, known as a barrel radius. This arc serves the same purpose as curved tube. Think of the barrel radius in a vial as a bubble "speed bump."

"Spirit levels" are so named because of the low viscosity of many anhydrous liquids, such as ether alcohol, which are used. Many levels in the marketplace today use coloring agents to aid in readability. However, the addition of color increases the viscosity and contributes additional friction that the bubble must overcome. The most accurate vials use clear ether alcohol as the liquid.

An accurate bubble vial must be calibrated. This includes sizing the bubble and precisely locating and identifying the internal barrel radius. Once the bubble is sized and the barrel radius identified, calibration marks are baked on the outside of the vial wall. This process is painstakingly done by hand. The finished effort is a vial with a tolerance of 300 seconds on a 2mm scale ±30 seconds.

Is your level level?

Should you desire to check the accuracy of the top vial to the sole (and you should periodically), follow this simple process. It just takes a couple of minutes.

- Set the tool on a relatively level, stable and flat surface (a jointer table works great).
- Note the bubble reading.
- Rotate the tool 180 degrees and note that reading.
- If your tool is accurately adjusted, the readings will be the same.
- If not, simply adjust one of the socket head screws with a 3/32" hex key until you have achieved your objective.

The PB-9 is actually two plumb bobs in one.

Our beautiful Juara™ wood base proudly displays the plummet and safely stores the spool and cord away from dust and grime.

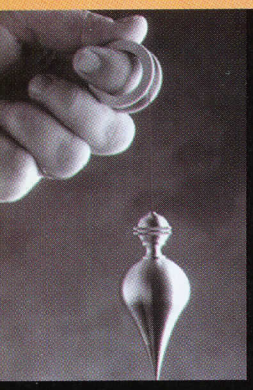


Figure 1
The knurled brass spool provides a firm grip for control as the cord easily lowers the plumb bob.

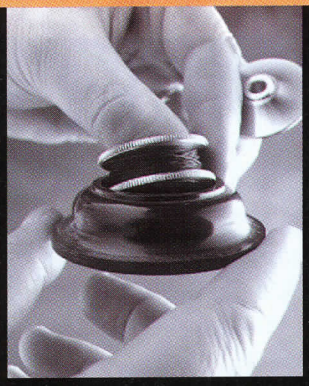


Figure 2
The spool stores safely away in the base.
The spool cap serves to hold the plumb bob securely in the base as well as serving as a sighting target.

Here's A Plumb Bob Design You Won't Forget.

I have always wanted a classic plumb bob for my shop but have found commercial versions a bit bland and too crudely made for such a timeless and deserving tool. I hope you agree—our new PB-9 PLUMB BOB is the most beautiful and useful plumb bob available today. There are several interesting features to our PB-9 PLUMB BOB. Weighing 9.3 ounces, the PB-9 is the perfect size plummet for general purpose work. But it is a whole lot more... Our plummet features a removable, stainless steel tip. Because plummets occasionally "plummet", it's comforting to know you can easily replace the point.

There are two features that make this tool extraordinary in comparison to others. First, this is actually two plumb bobs in one. And second is the unique spool base in which the plumb bob comes to rest. To create the second plummet, simply unscrew the top "ball" and the point from the body and fasten them together. You now have a small, 1 ounce plumb bob for indoor use! No other plummet gives you this flexibility. Both are stunning works of art and perform flawlessly. Our knurled brass spool is an elegantly simple design that easily fits your thumb or forefinger allowing you to control the length of cord extended. The cord is a tough braided polyester fiber, .019" thick.

Storing a plumb bob is one of the most awkward assignments in your shop. We solved this dilemma by designing a Juara™ wood stand that proudly displays the plummet and safely stores the spool and cord away from dust and grime. This tool looks just as at home on a desk or shelf as it does in your shop. It is truly an outstanding design solution.

The PB-9 PLUMB BOB is an elegant looking tool. It makes such a strong statement as a gift that you ought to consider offering this beautiful plumb bob to your friends, family or clients. The PB-9 is a gift nobody will forget!

PB-9 PLUMB BOB (INCLUDES STAND, SPOOL, AND CORD)
1102-070 $84.00 (CLUB $75.60)

PB-9 MINI PLUMB BOB ALONE (INCLUDES THE TOP BALL, STEEL TIP, SPOOL, AND CORD)
1102-073 $34.00 (CLUB $30.60)

ADDITIONAL STAINLESS STEEL TIP
1001-070-3 $9.00 (CLUB $8.10)

ADDITIONAL KNURLED BRASS SPOOL
1001-070-5 $15.00 (CLUB $13.50)

ADDITIONAL 21' OF BLACK CORD
1001-070-7 $3.50 (CLUB $3.15)

Custom Engraving 10 characters

TURNING TREE

"I've been setting my calipers with a ruler as long as I've been woodworking. Your Turning Tree is such a simple and elegant alternative, I feel almost stupid for my past ways. Keep up the good work."

The TT-1 TURNING TREE is a circular ruler designed primarily for furniture makers who use turnings in their work. The tolerance on each diameter is +0.005", -0.000", insuring that you will never again turn an undersized part.

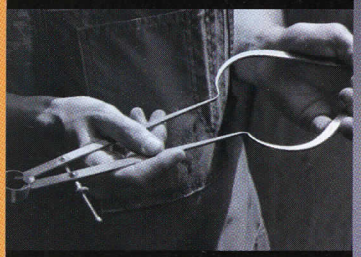
The TT-1 TURNING TREE is made of nine steel sections, containing four precisely turned diameters for setting the distance of outside calipers. The major diameter of each section is marked with the diameters of all four "rings" which make up that section. All in all, there are 36 different reference sizes.The rings are sized by 1/16" to correspond with the most common drill sizes found in the wood shop (the largest is sized by 1/4"). Each color band represents a one quarter inch segment stepped by sixteenths. Individual sections can be removed and kept in your apron pocket as a quick reference while you are turning. Sections can also be used to size existing holes and are handy as circle templates.

The TT-1 TURNING TREE comes with a beautiful Juara™ wood base that displays and protects your investment. The TT-1 is a must for furniture makers who use turned components in their work.

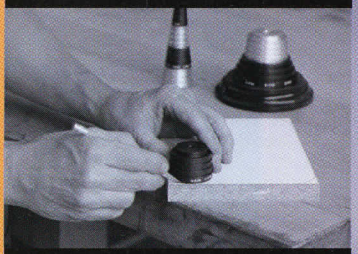
TT-1 Turning Tree with Base

1102-054 $84.00 (Club $75.60)

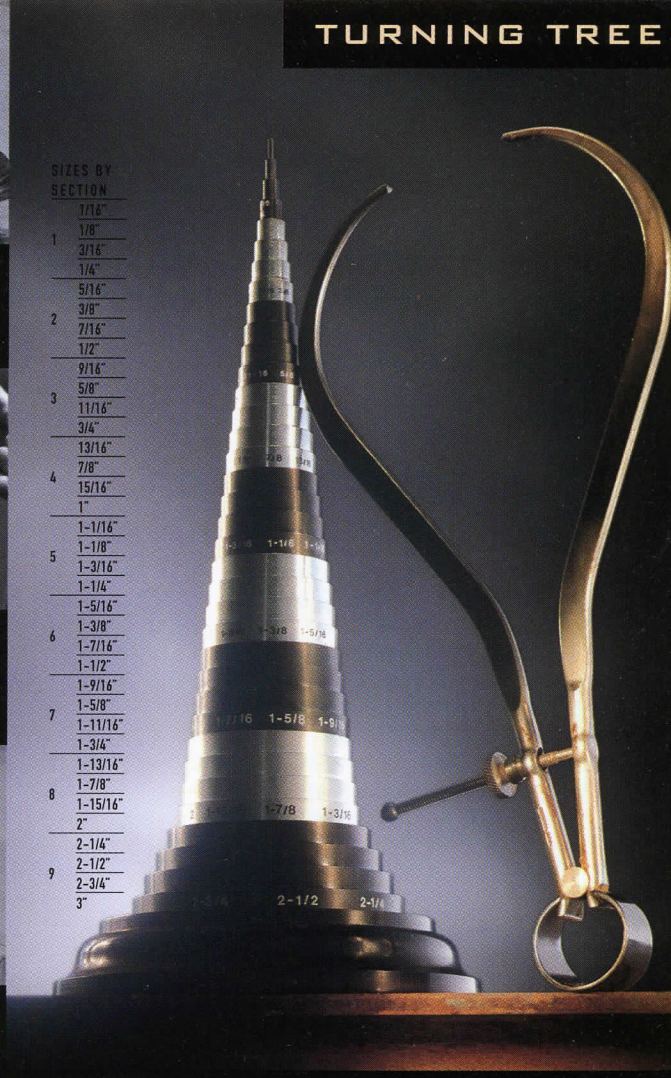
Outside calipers are easily and precisely set with the TT-1 TURNING TREE.



To set your inside calipers, simply set your outside calipers and transfer the setting from one to the other.



Individual sections of the TT-1 TURNING TREE are also handy as circle templates



SPECIFICATIONS:
Accuracy: +0.005", -0.000" tolerance on each diameter.
Tree: Coated steel, rust proof.
Base: Juara wood, protective foot pads.

JOINTMAKER'S HAMMER

One of the most enjoyable aspects of working wood is using tools sized for the job. When it comes to hammers, invariably we use a tool much too large or heavy for the task. Think about it. Hammers come in almost every imaginable size and shape. What we have created are two small hammers designed specifically for the bench woodworker. For inserting dowels, pins, or tapping delicate joints together, a dead-blow mallet just does not cut the mustard. For these sensitive tasks, and a myriad of others, I've always relied on a small, antique hammer purchased at a garage sale. With the introduction of our two new JH-1 JOINTMAKER'S HAMMERS, this positive experience is available to you. A small hammer prevents you from overpowering your intent, eliminating over-sized and unintentional strike marks.

The long, willowy neck of our flame-hardened and lacquered hickory handle, combined with the gracefully tapered end, is simply a joy to hold. The 10" inch handle offers a marvelous sense of accuracy and control that "fat" handled hammers simply cannot provide.

Our JH-1 JOINTMAKER'S HAMMERS come in brass or a stainless steel head. They are double faced for delicate work and are securely blind wedged to the handle. The head measures 9/16" and 13/16" in diameter and weighs 3 1/2 ounces. Use the brass hammer with its soft face for those applications where you definitely do not want to leave a strike mark (never use a soft face hammer for nails or brads). For those applications where you may want to persuade a harder material, we recommend the JH-1 JOINTMAKER'S HAMMER with a stainless steel head. See for yourself how these inexpensive tools can add richness to your woodworking experience.

A small hammer prevents you from overpowering your intent, eliminating oversized and unintentional strike marks.

JH-1S Brass Hammer

1102-074 $37.00 (Club $33.30)

JH-1H Stainless Steel Hammer

1102-075 $39.00 (Club $35.10)

Custom Engraving 5 characters

THE BRIDGE CITY TOOL "WORKS"

The "WORKS" is the best deal we have to offer—***one of everything in the store at the lowest possible price!*** The "WORKS" is an heirloom purchase to be handed down from generation to generation. It consists of all 47 items listed below (everything in the adjacent photograph) and, as always, each tool comes with our eminently fair lifetime guarantee. Individually, these items total $3,840.95. *You save over $440.00! Join the Bridge City Tool Club and save over $540.00!*

AS-3	3" ADJUSTABLE TRY SQUARE
AS-5	5" ADJUSTABLE TRY SQUARE
AS-9	9" ADJUSTABLE TRY SQUARE
AS-14	14" ADJUSTABLE TRY SQUARE
AS-24	ADJUSTABLE ANGLE SQUARE
BL-9	PRECISION BENCH LEVEL
BS-5	5" TRANSFER BEVEL SQUARE
BS-10	10" TRANSFER BEVEL SQUARE
BP-18	BEVEL PROTRACTOR
CR-18	18" CENTERING RULE
CS-1	CENTERSCRIBE
CS-12	COMBINATION SQUARE
DC-40	DIVIDING COMPASS
DG-2	DEPTH GAGE / ENGLISH & METRIC
DS-1	8:1 DOVETAIL SQUARE
DS-2	6:1 DOVETAIL SQUARE
HG-2	HEIGHT GAGE
JH-1H	STEEL HAMMER
JH-1S	BRASS HAMMER
MG-1	MARKING GAGE
MG-2	MARKING/MORTISING GAGE
MS-1	JOINTMAKER'S MITER SQUARE
MS-1.5	MID-SIZED MITER SQUARE
MS-2	MASTER MITER SQUARE
MS-3	22½ DEGREE MITER SQUARE
PB-9	PLUMB BOB
PG-24	PANEL GAGE
PT-1	PRECISION TRAMMEL
SA-1	SCRATCH AWL (small)
SA-2	SCRATCH AWL (large)
SA-3	BENT TIP AWL
SD-6	SPIDER-DIVIDER
SE-24	PRECISION STRAIGHT EDGE
SR-6	6" POCKET RULE
SR-12	12" BENCH RULE
SR-24	24" BENCH RULE
SR-36	36" BENCH RULE
SR-1M	1 METER BENCH RULE
SS-1	SCROLL SAW SQUARE (not shown)
TB-1	T-BEVEL
TB-2	7" SLIDING T-BEVEL
TB-3	12" SLIDING T-BEVEL
TS-1	JOINTMAKER'S TRY SQUARE
TS-1.5	MID-SIZED TRY SQUARE
TS-2	MASTER TRY SQUARE
TS-3	DOUBLE TRY SQUARE
TT-1	TURNING TREE

THE "WORKS"

1111-018 TOTAL PRICE $3,399.00 (CLUB $3,299.00)

THE "WORKS" ON EASY PAY

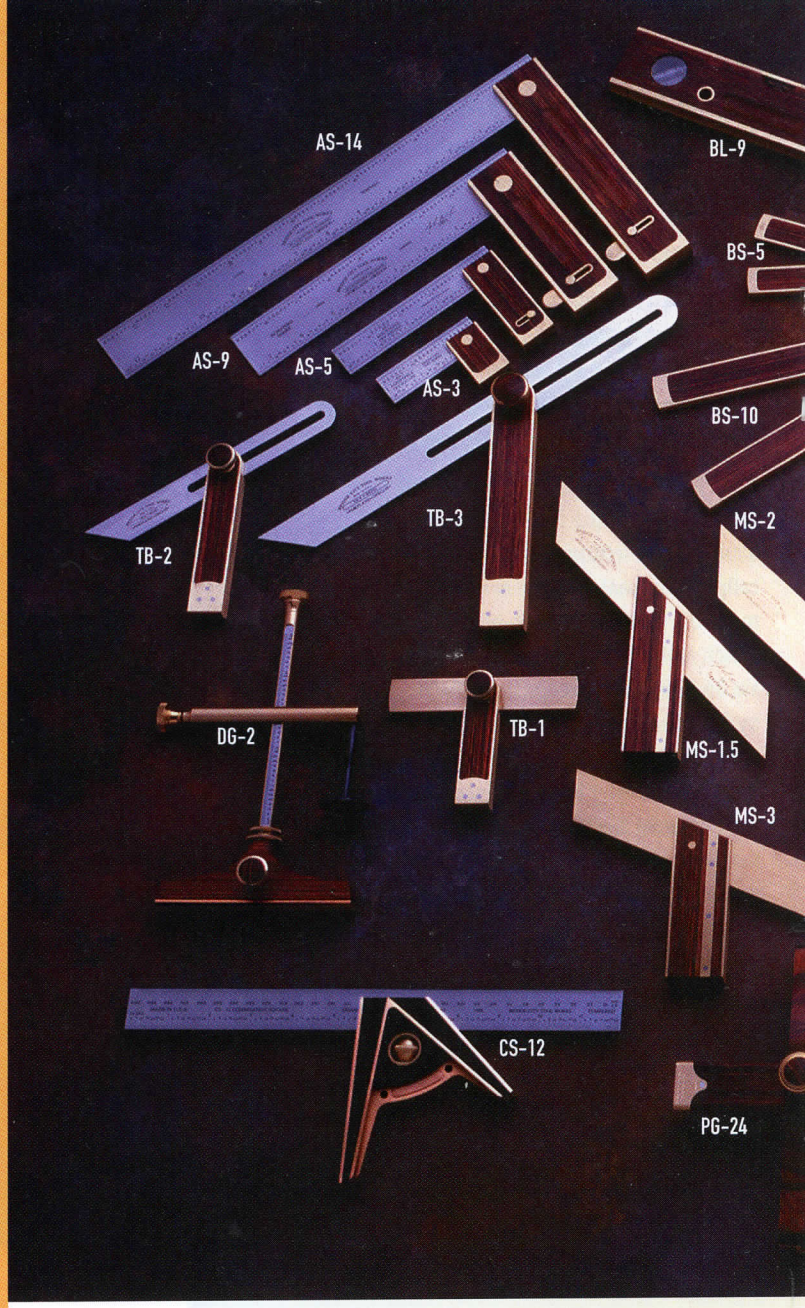
1111-019-EP TOTAL PRICE $3,840.00 ($320.00/MO. FOR 12 MO.)

TOTAL PRICE $3,576.00 (CLUB $298.00/MO. FOR 12 MO.)

PROTECTIVE TOOL BAG SET (24)

6501-019 $79.00 (CLUB $71.10)

(SEVERAL OF THE LARGER TOOLS AND THE RULES DO NOT HAVE TOOL BAGS)



THE "SQUARE DEAL"

Fundamentally, the "SQUARE DEAL" is as sound a set of layout tools as we can put together. This is an ideal starter set for any new woodworker, and the best way to begin if you have decided to upgrade your existing layout tools. It makes a great gift and it's a "SQUARE DEAL!" Individually, these items total $324.00. *You save $16.00! Join the Bridge City Tool Club and save $46.80!* The "SQUARE DEAL" consists of one each of the tools listed below:

TS-1	JOINTMAKER'S TRY SQUARE	MS-2	MASTER MITER SQUARE
TS-2	MASTER TRY SQUARE	TB-2	7" SLIDING "T" BEVEL
SA-2	SCRATCH AWL (LARGE)	SE-24	PRECISION STRAIGHT EDGE

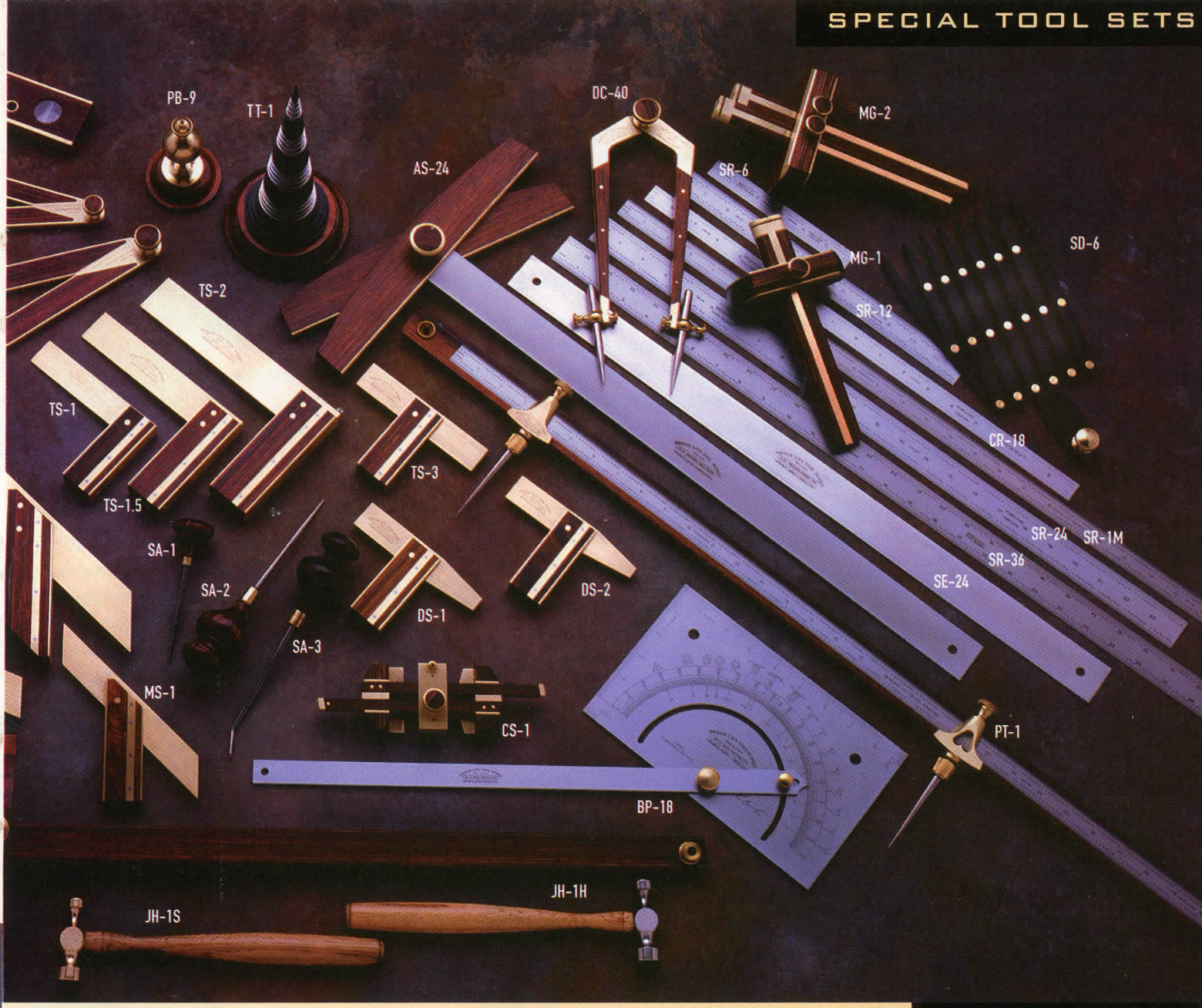
1111-012 SQUARE DEAL $308.00 (CLUB $277.20)

1111-013-EP SQUARE DEAL ON EASY PAY TOTAL PRICE $324.00 $108.00/MO. FOR 3 MONTHS, (CLUB $97.20/MO. FOR 3 MONTHS, TOTAL PRICE $291.60)

6501-013 PROTECTIVE TOOL BAG SET (5) $18.95 (CLUB$17.05)

(THE SE-24 DOES NOT HAVE A TOOL BAG)

Easy pay is available for credit card users only



THE "CREATE YOUR OWN TOOL SET #1"

For those who want to make their own best possible deal. This is a great way for those who already have some of our tools, to round out their collections. To "CREATE YOUR OWN TOOL SET #1" order **six** or more individual Bridge City tools from the photo and list and take 2% off the individual catalog prices (Tool Club members take 2% off the individual Tool Club Member price).

1111-014 "CREATE YOUR OWN TOOL SET #1" 2% OFF CATALOG PRICES
(CLUB MEMBERS TOTAL DISCOUNT IS 12% OFF REGULAR PRICE)

THE "CREATE YOUR OWN TOOL SET #2"

To "CREATE YOUR OWN TOOL SET #2" order **ten** or more Bridge City tools from the photo and list and take 3% off the individual tool catalog prices (Tool Club members take 3% off the individual Tool Club Member prices).

1111-016 "CREATE YOUR OWN TOOL SET #2" 3% OFF CATALOG PRICES
(CLUB MEMBERS TOTAL DISCOUNT IS 13% OFF REGULAR PRICE)

Confused? Give us a call, we'll make sure you get exactly what you want.

SAVE ON OUR SPECIAL TOOL SETS

Whether you are setting up a shop, replacing inaccurate tools, or looking for the ultimate gift for a family member, a friend or yourself, these specially priced tool sets represent an exceptional value. There is no better way to acquire the finest layout tools in the world. These sets are also available on our no stress EASY PAY program (credit card orders only).

PROTECT YOUR BRIDGE CITY TOOLS WITH OUR CUSTOM TOOL BAGS

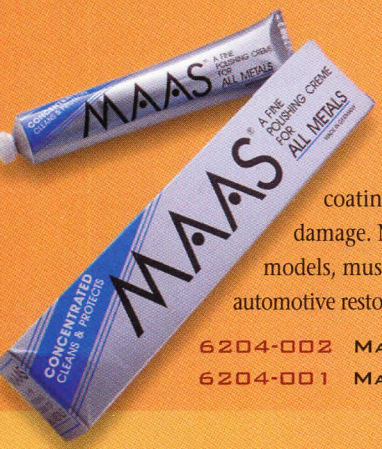
Layout tools should not be allowed to *"bang around"* in a drawer. These tool bags protect from the nicks and bruises encountered in a drawer. Made from super tough black nylon and are secured by a nylon draw cord. An inexpensive way to protect your tool investment. Look up the tool and select the bag listed for that tool.

6501-001 TOOL BAG 3.95 (CLUB $3.55)
6501-002 MEDIUM TOOL BAG 3.95 (CLUB $3.55)
6501-003 LARGE TOOL BAG 3.95 (CLUB $3.55)
6501-004 X-LARGE TOOL BAG 3.95 (CLUB $3.55)

Steel Wool is Steel Wool is Steel Wool. Ha!

This steel wool contains no oil (most do), and has a long filament structure (most don't). Does not crumble and lasts much longer. Use the "0000" for removing blemishes from brass, polishing finishes and wax applications. Imported from Europe. 250 g sleeve.

2207-002 "0000" STEEL WOOL $6.25 (CLUB $5.65)



For Absolutely All Metals, A Fine Polishing Creme from MAAS®

The MAAS® polishing system removes residue, rust, tarnish, oxidation and bonds an ultra thin protective coating to metal surfaces, sealing out elements that exacerbate damage. MAAS® provides a rich luster for antiques, jewelry, models, musical instruments, sports equipment, the kitchen and bath, automotive restoration, even aircraft! Available in 2 oz. and 4 oz. tubes.

6204-002 MAAS® POLISH 4 OZ. $7.00 (CLUB $6.30)
6204-001 MAAS® POLISH 2 OZ. $4.50 (CLUB $4.05)

This is How We Put the Shine on Our Tools!

Professionals Wax is the paste wax used to protect our beautiful tools. Periodic cleaning will restore your tools like new and renew your creative spirit. Great for turnings, boxes and any small piece you want to protect. I love the smell of Professionals Wax—it's like the inside of my grandfather's humidor.

PROFESSIONALS WAX (14 OZ. TIN.)
2207-001 $16.95 (CLUB $15.25)

SAVE WHEN YOU ORDER BOTH!
PROFESSIONALS WAX & STEEL WOOL
2207-003 $21.95 (CLUB $19.75)

You'll go Bananas for this Adhesive, Please Meet Gorilla Glue...

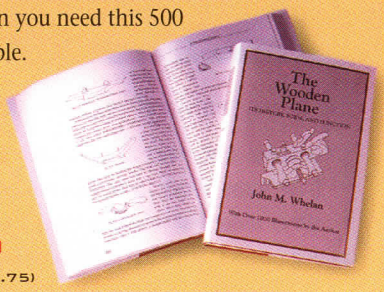
Gorilla Glue contains no solvents, is 100% waterproof, requires no mixing or additives, will bond woods of all types including exotics and wet wood up to 25% MC, does not clog sandpaper and is environmentally friendly. It will also bond stone, cleaned brass, aluminum, iron and most plastics. Gorilla Glue is as strong or stronger than white or yellow glues and does not dull tools. Coverage is approximately 2-3 times what you are used to so a little bit goes a long way. We are hooked on this product and you will be too!

2202-001 GORILLA GLUE, 18 OZ BOTTLE $19.95 (CLUB $17.95)
2202-002 GORILLA GLUE, 8 OZ BOTTLE $12.95 (CLUB $11.65)
2202-003 GORILLA GLUE, 36 OZ BOTTLE $29.95 (CLUB $26.95)

Here's The Definitive Effort On Wooden Planes

The Wooden Plane is truly an extraordinary book that describes, illustrates, and classifies all the various types of wooden planes from the common to the unusual–then explains their uses. If you are interested in planes, then you need this 500 page plane bible. Hardbound.

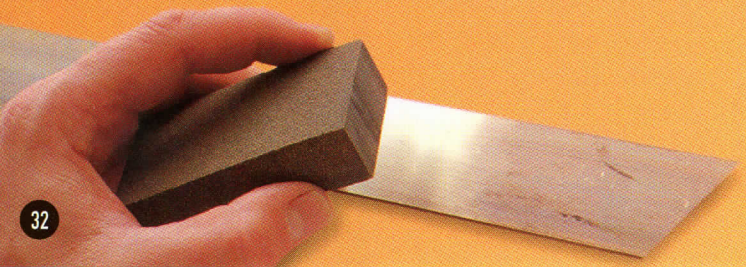
4413-001
THE WOODEN PLANE
$37.50
(CLUB $33.75)



The Wonderbar is Truly Amazing!

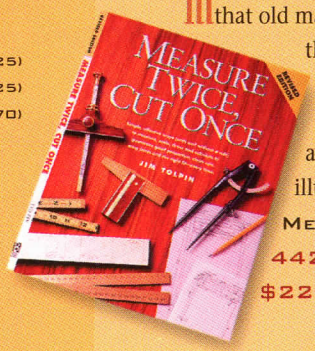
Wonderbars are great for cleaning and polishing all kinds of metal. An abrasive rubber, somewhat like a pencil eraser, is saturated with silicon carbide particles that slough away discoloration and surface scratches in metal. Wonderbars are self-sharpening, will not clog or dull like sandpaper and are easily cut with a knife to conform to irregular shapes. Use coarse for quick cleaning and the fine for polishing. Each is 3" x 2" x 3/4".

6206-001 WONDERBAR, COARSE (60 GRIT) $6.95 (CLUB $6.25)
6206-002 WONDERBAR, FINE (240 GRIT) $6.95 (CLUB $6.25)
6206-003 BOTH WONDERBARS, 1 FINE & 1 COARSE $13.00 (CLUB $11.70)



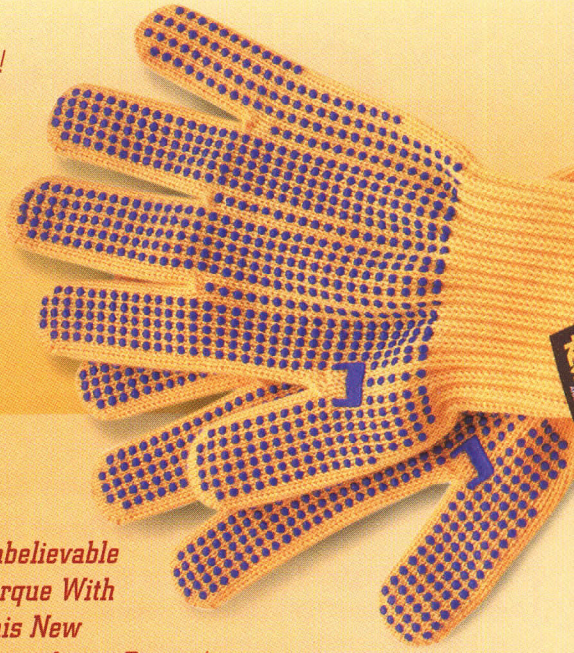
"Measure Twice, Cut Once." You've Heard It Many Times, Now Here is the Book...

Measure Twice, Cut Once is full of helpful secrets that old master woodworkers have tucked in their heads. Even a seasoned pro can apply these timeless, fool-proof techniques to increase productivity and dampen frustration. Richly illustrated, 118 pages. Soft cover.



MEASURE TWICE, CUT ONCE
4428-001
$22.95 (CLUB $20.65)

The Ugliest Gloves You Will Ever Want to Own!



Despite no cosmetic appeal, these gloves are the toughest thing you can put on your hands (made of DuPont Kevlar®, used in bullet-proof vests, belted tires and a myriad of other tough products). The ugly little rubber dots are great for your grip. Move lumber, machines, projects, etc., without traumatizing your hands or loosing your grasp. Super for gardening, the garage, the shop, or anytime you want to do your hands a great big favor. They're comfortable and washable! Guaranteed not to shrink.

2301-001 KEVLAR® GLOVES (LARGE) $19.95 (CLUB $17.95)
2301-002 KEVLAR® GLOVES (MEDIUM) $19.95 (CLUB $17.95)
2301-003 KEVLAR® GLOVES (SMALL) $19.95 (CLUB $17.95)

Gift Certificates Will Make any Woodworker Grin From Ear to Ear!

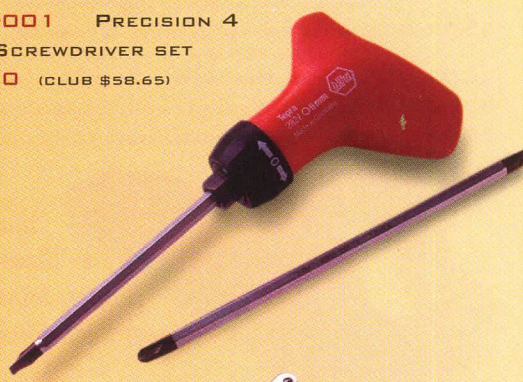
These attractive gift certificates are great for the fussiest master craftsperson who has everything, or those who are just starting out. Perfect for holidays, birthdays and other special occasions. $5, $10, $25, $50 and $100 denominations.

9101-028 GIFT CERTIFICATE

Unbelievable Torque With This New Screwdriver Design!

This is the most comfortable screwdriver ratchet we have used. Ergonomically designed handle allows unprecedented high torque transmission with zero slip in the hand. Works in either hand, you have never put screws in faster! Really shines if hand strength is weak. Includes both straight and Phillips reversible blades. Great gift!

7610-001 PRECISION 4 PIECE SCREWDRIVER SET
$65.20 (CLUB $58.65)



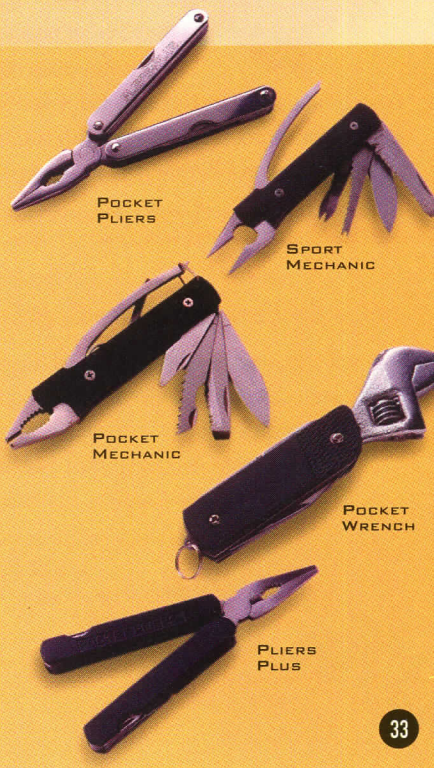
Now You Can Put the Handle Back on the Toaster!

Here's the best twenty dollar purchase— it's a storage box with nine different glues and adhesives. If you can't fix what's broken now, it's not from this planet! Contains the following: contact adhesive, wood glue, vinyl adhesive, epoxy adhesive, hard plastic adhesive, cyanoacrylate (super glue), panel adhesive, a clear adhesive and a reference chart that's a useful guideline for the myriad of adhesive problems that crop up in our not so simple lives.

6211-001 GLUE-IT-YOURSELF BOX $19.95 (CLUB $17.95)

Here Are Five Of The Handiest Pocket Tools We Have Found!

Whether you are camping, fishing, hiking, or traveling in your car, boat, motorcycle or whatever, it is not possible to take along your cherished tool collection for tweeking and repairing. Any or all of these extremely handy pocket tools are excellent for those jobs when you are away from your toolbox. All are constructed from durable and rust free stainless steel for decades of service. We recommend Pocket Pliers for the kitchen drawer. They are all terrific tools and make great gifts! Have fun selecting the pocket tool for your needs!



6900-100 POCKET PLIERS, INCLUDES NEEDLE NOSE PLIERS, REGULAR PLIERS, WIRE CUTTER, SMALL, MEDIUM & LARGE SCREWDRIVERS, KNIFE, METAL/WOOD FILE, SERRATED BLADE, BOTTLE & CAN OPENERS, SAW, SWISS SCISSORS, PHILLIPS SCREWDRIVER AND CARRYING CASE.
$16.50 (CLUB $14.85)

6900-200 SPORT MECHANIC, INCLUDES NEEDLE NOSE PLIERS, REGULAR PLIERS, WIRE CUTTER, LARGE SCREWDRIVER, LARGE KNIFE, METAL/WOOD FILE, SERRATED BLADE, SWISS SCISSORS, FISH HOOK REMOVER, FISH SCALER, RULER, PHILLIPS SCREWDRIVER AND CARRYING CASE.
$39.00 (CLUB $35.10)

6900-300 POCKET MECHANIC, INCLUDES PLIERS, WIRE CUTTER & STRIPPER, SMALL & LARGE SCREWDRIVERS, LARGE KNIFE, SERRATED BLADE, BOTTLE & CAN OPENERS, WOOD SAW, PHILLIPS SCREWDRIVER, PRY BAR AND CARRYING CASE.
$36.50 (CLUB $32.85)

6900-400 POCKET WRENCH, INCLUDES ADJUSTABLE OPEN END WRENCH, SMALL SCREWDRIVER, KNIFE, METAL FILE, SWISS SCISSORS, PHILLIPS SCREWDRIVER AND CARRYING CASE.
$16.50 (CLUB $14.85)

6900-500 PLIERS PLUS, INCLUDES NEEDLE NOSE PLIERS, REGULAR PLIERS, WIRE CUTTER, SMALL & MEDIUM SCREWDRIVERS, LARGE KNIFE, SMALL KNIFE, METAL/WOOD FILE, BOTTLE & CAN OPENERS, PUNCH, PHILLIPS SCREWDRIVER AND CARRYING CASE.
$11.25 (CLUB $10.15)

ORDER TOLL FREE 1-800-253-3332

This Dust Mask Won't Make You Feel Like You Have One Lung Missing and it Won't Fog Your Safety Glasses.

Disposable paper masks are often inadequate. Single filter rubber masks cannot move a sufficient volume of air to keep you from breaking the nose seal and fogging your glasses. This double filter mask is the most comfortable and efficient I have found. Easily replaceable filters, organic vapors filters (finishes) are available. The silicone body with a double seal insures a tight but comfortable seal for long periods without discomfort. Comes with a cradle headband for a perfect fit. Do your lungs a favor. Specify mask size S, M, or L.

3909-001 Dust & Fume Mask (w/o filters) $49.95 (Club $44.95)
3909-002 10 Air Filters $8.95 (Club $8.05)
3909-003 Organic Vapor Filters (2) $14.95 (Club $13.45)

Finally, a Pair of Safety Glasses So Comfortable You'll Forget They're On.

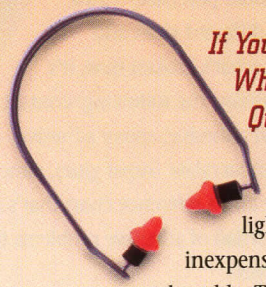
These lightweight glasses win my vote for the most comfort over a long period of time. The temples are easily adjusted, and the unique frame design prevents the lens from coming in contact with rough surfaces. The permanent side shields are designed to provide superb protection. The beauty of these glasses is the availability of different colored lenses: clear, yellow (for poorly lit shops or overcast days), and an anti-glare, mirrored tinted lens (for outdoor work). You simply pop one lens out and insert another— a nifty concept. These glasses easily exceed standards of ANSIZ87.1-1989. And they are good looking to boot!

3302-001 Safety Glasses System with clear, amber and tinted lenses $18.95 (Club $17.05)
3302-006 Wire Frame Safety Glasses with clear lens only $16.95 (Club $15.25)
3302-005 Clear Replacement Lens (fits both frames) $3.60 (Club $3.25)
3302-003 Amber Replacement Lens (fits both frames) $4.02 (Club $3.60)
3302-004 Mirror Replacement Lens (fits both frames) $8.02 (Club $7.20)

Hearing Loss From Wood Shops is Very Common and is Totally Preventable!

Here is the world's finest dielectric folding earmuff. Without a doubt, the most comfortable ear muff I have ever had on my head. The head band is padded to prevent the pressure headache caused by others. The Noise Reduction Rating is 29 on a scale of 30! You will be thrilled with the comfort and quiet of the Quiet Muff.

Quiet Muff
3321-003 $23.50 (Club $21.15)



If You Don't Need a Whole Muff, Try the Quiet Band.

This is a true ear canal cap product. It's lightweight, comfortable and inexpensive! And the ear pads are replaceable. The Quiet Band can be worn under the chin, behind the head or in the traditional position. The Noise Reduction Rating is 25.

Quiet Band Hearing Protectors
3321-005 $6.95 (Club $6.25)
Additional Replacement Pads (3 pairs)
3321-006 $7.50 (Club $6.75)

Your Fingers Should Never Have a "Close Encounter" With a Table Saw, Router, Jointer or a Shaper. Here's the Finest Push Stick We Have Tested.

We have all taken unnecessary risks working with power equipment and it is just plain stupid. This American-made push stick keeps your fingers away from danger and actually helps you do more precise work because of the leverage generated against your work piece. Comes with two removable, replaceable soles to adapt to various work holding situations. We strongly recommend this highly visible and functional aid for every shop.

6303-001 Safety Pushstick $18.95 (Club $17.05)
6303-002 Replacement Soles $8.95 (Club $8.05)

Here's the Best Pair of Needle Point Tweezers . . .

Precision ground from stainless steel, these needle point tweezers are phenomenally accurate. Perfect for small part work or even picking out the flaws on a photo transparency. And they really excel when you need to remove a sliver. Get an extra pair or two to sprinkle around the house.

Uncle Bill's Tweezers 6901-001 $5.25 (Club $4.70) Get three for $14.50 (Club $13.05)

Look! Precision Tweezers With a 5X Magnifier!

This is the way to remove a sliver and is one of my all time favorite inventions. Try threading a needle with this! Perfect for model builders, fishermen, campers (ticks), —splinters look like toothpicks!. The Magna-Point Tweezers make a great stocking stuffer. Stainless steel and highly recommended.

Magna-Point Tweezers 6905-001 $5.99 (Club $5.40)
Get Three For $16.50 (Club $14.85)

Our Customers Asked for this Catalog Cover So Much We Made It a Poster.

By popular demand, we turned our Marking/ Mortising Gage on Black catalog cover into a full size (17"x 24") poster. It would look great on your shop, den or office wall. The poster is available with a ready-to-hang, black metal frame or unframed. Makes a great gift!

FRAMED MARKING/MORTISING GAGE ON BLACK POSTER
1101-042F $69.95 (CLUB $62.95)
UNFRAMED MARKING/MORTISING GAGE ON BLACK POSTER
1101-042 $12.95 (CLUB $11.65)

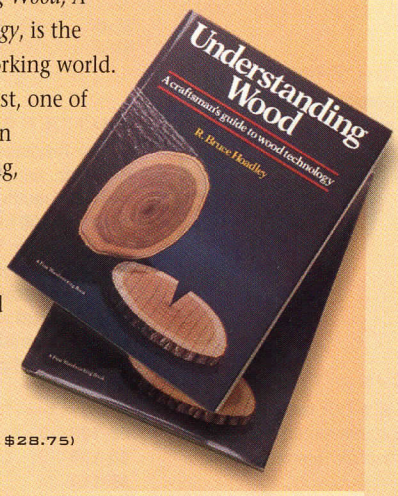
Quality is Contagious also available in a single poster.

Here is our popular Quality Is Contagious Carving catalog cover as a full size (17"x 24") poster. Give someone you know the inspiration to do their best. The poster is available with a ready-to-hang, black metal frame or unframed. Makes a great gift!

1101-040F FRAMED QUALITY IS CONTAGIOUS CARVING POSTER $69.95 (CLUB $62.95)
1101-040 UNFRAMED QUALITY IS CONTAGIOUS CARVING POSTER $12.95 (CLUB $11.65)

This is the ONE Book No Woodworker Should be Without!

Whether you are a seasoned pro or just work with wood to unwind, *Understanding Wood, A Craftsman's Guide to Wood Technology*, is the definitive reference of the woodworking world. Learn how to work with, not against, one of nature's most beautiful resources. In depth coverage includes, machining, planning, bending, joining and fastening—all from a craftsman's viewpoint. Why do miters open up? Why do some boards warp and others don't? Find out today! Hard bound, 258 pages.



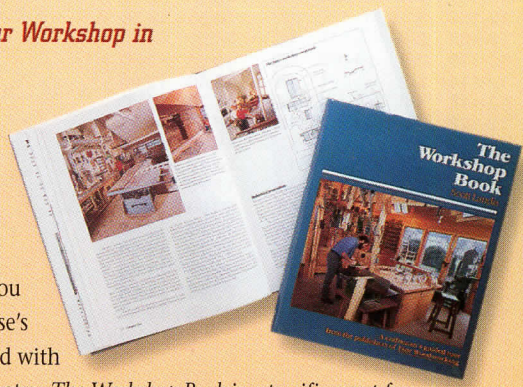
UNDERSTANDING WOOD
4401-002 $31.95 (CLUB $28.75)

If You Have Ever Dropped a Small Screw and Spent Valuable Time in a Fruitless Search, Your Troubles Are Over...

Take any steel screw driver or bit and feed it slowly through the square opening (+) of this magnetizer. It is now magnetized and will hold your screw to the blade! To de-magnetize, feed the tool through the stepped hole (–). It is a fantastic, inexpensive shop aid. The permanent magnet insures years of service. Highly recommended.

7610-002 MAGNETIZER/DE-MAGNETIZER $8.90 (CLUB $8.00)

100 Great Ideas for Your Workshop in One Terrific Book.



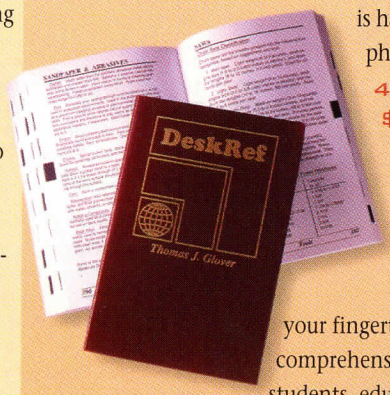
Here is the long awaited companion book to woodworker Scott Landis' best selling *The Workbench Book*. *The Workshop Book* is very easy to relate to – do you recall the ideas someone else's workshop gives you? Packed with shops from around the country, *The Workshop Book* is a terrific asset for your woodworking library. From basement alcoves to large cabinet shops. The Workshop Book examines all aspects of the wood shop. Scott Landis knew just what to look for and photographs to push our "shop buttons". *The Workshop Book* is hardbound, contains 240 pages, 310 photographs, 69 drawings and is 9" x 12".

4401-022 THE WORKSHOP BOOK
$34.95 (CLUB $31.45)

At Last: a Rugged Shop Apron You Can Wear All Day!

Face it, you need an apron to protect your clothes or for extra pockets. We took both these concerns seriously (and several others) and are proud to offer this tough, comfortable, long lasting shop apron for the most demanding working conditions. Made of super tough cordura outer shell, and cotton canvas lining to keep you cool. Load up the nine pockets and two hammer loops. The adjustable, cross-back harness distributes weight, keeping your neck fatigue-free. The large, expandable center pocket is Velcro sealed to keep out sawdust and other invaders. This is a terrific shop aid for any crafts person and makes a great gift. One size fits all.

BRIDGE CITY DELUXE APRON
6609-002 $49.95 (CLUB $44.95)



There is Something for Everyone to Learn in The Desk Ref!

Thousands of tables, maps, formulas, constants and conversions literally at your fingertips! *The Desk Ref* is the most comprehensive compilation of encyclopedic facts for students, educators, professionals and technicians in science, construction, engineering, agriculture, programming, the environment, travel and much more. Soft cover.

4434-002 DESK REF $29.95 (CLUB $26.95)

We are pleased to offer you the world's finest router bits.The care and precision that go into these cutting tools are without peer and represent an extraordinary value. From the extra thick carbide, to the computer balanced and painted bodies (they can be seen in a router table), to sophisticated computer balancing, Freud router bits sing the song of precision day in and day out. Find out for yourself the difference a quality router bit makes in your work—it is remarkable!

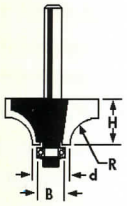
Double Flute Straight Bits

Trims or cuts dadoes and rabbets. Cuts all composition materials, plywood, hardwood, and soft wood. Use on hand and table mounted portable routers.

ITEM	DIA	H	S	PRICE	CLUB
04-124	3/8	1	1/4	$13.10	$11.80
04-096	1/16	1/4	1/4	13.00	11.70
04-100	1/8	3/8	1/4	13.00	11.70
04-102	3/16	1/2	1/4	12.10	10.90
04-103	3/16	5/8	1/4	15.85	14.30
04-104	1/4	1/2	1/4	12.10	10.90
04-106	1/4	3/4	1/4	12.50	11.25
04-107	1/4	7/8	1/4	12.60	11.34
04-108	1/4	1	1/4	13.50	12.15
04-110	1/4	1	1/4	13.00	11.70
04-112	9/32	1	1/4	12.10	10.90
04-126	3/8	1-1/4	1/4	14.35	12.95
04-129	7/16	1	1/4	14.35	12.95
04-130	1/2	3/4	1/4	14.35	12.95
04-132	1/2	1	1/4	13.75	12.35
04-136	5/8	3/4	1/4	14.20	12.80
04-138	11/16	3/4	1/4	14.70	13.25
04-140	3/4	3/4	1/4	15.85	14.30
12-100	1/4	3/4	1/2	15.40	13.85
12-102	1/4	7/8	1/2	13.85	12.50
12-106	5/16	1	1/2	13.85	12.50
12-108	3/8	1	1/2	14.35	12.95
12-110	3/8	1-1/4	1/2	15.10	13.60
12-116	1/2	1	1/2	15.40	13.85
12-118	1/2	1-1/4	1/2	14.20	12.80
12-122	1/2	1-1/2	1/2	16.20	14.55
12-128	1/2	2	1/2	17.70	15.90
12-130	1/2	2-1/2	1/2	24.45	22.00
12-136	5/8	1	1/2	17.70	15.90
12-142	5/8	2	1/2	20.20	18.20
12-152	3/4	1	1/2	17.70	15.90
12-154	3/4	1-1/4	1/2	17.70	15.90
12-156	3/4	1-1/2	1/2	19.45	17.50
12-158	3/4	2	1/2	23.80	21.45
12-172	1	1-1/4	1/2	21.50	19.35

Beading Bits

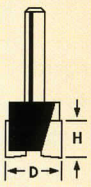
Attractive bead profile to furniture and millwork. Equip with a Freud 62-104 bearing for rounding over work. Cuts all composition materials, plywood, hard wood, and soft wood. Use on hand held and table mounted portable routers.



ITEM	DIA	d	B	H	R	S	PRICE	CLUB
36-108	7/8	1/2	3/8	1/2	3/16	1/4	$26.30	$23.70
36-110	1	1/2	3/8	1/2	1/4	1/4	26.30	23.70
36-112	1-1/8	1/2	3/8	1/2	5/16	1/4	26.30	23.70
36-114	1-1/4	1/2	3/8	5/8	3/8	1/4	28.40	25.60

Mortising Bits

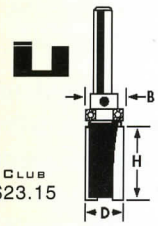
Cuts all composition materials, plywood, hard wood and soft wood. Use on hand held and table mounted portable routers.



ITEM	DIA	H	S	PRICE	CLUB
16-100	1/2	1/2	1/4	$11.40	$10.25
16-104	3/4	1/2	1/4	16.15	14.55
16-108	1-1/4	1/2	1/2	20.85	18.75

Top Bearing Flush Trim Bits

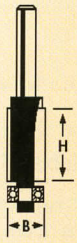
Perfect flush cuts. Cuts all composition materials, plywood, hard wood and soft wood. Use on hand held and table mounted routers for template work.



ITEM	DIA	B	H	S	PRICE	CLUB
50-102	1/2	1/2	1	1/4	$25.70	$23.15

Bearing Flush Trim Bits

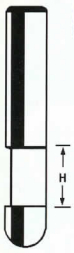
Perfect flush cuts. Cuts all composition materials, laminates, plywood, hard wood, and soft wood. Use on portable or table mounted routers.



ITEM	D	B	H	F	S	PRICE	CLUB
42-100	3/8	3/8	1	2	1/4	$14.35	$12.90
42-102	3/8	3/8	1/2	2	1/4	14.35	12.90
42-104	1/2	1/2	1	2	1/4	14.35	12.90
42-110	1/2	1/2	1	2	1/2	14.35	12.90
42-114	1/2	1/2	1-1/2	2	1/2	17.90	16.10
44-100	1/2	1/2	1	3	1/4	26.25	23.65
44-108	1/2	1/2	1-1/2	3	1/2	32.55	29.30

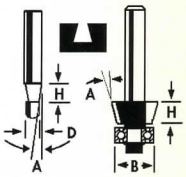
Solid Carbide Flush Trim Bit

Cuts all plastic laminate. Use on portable routers and laminate trimmers for trimming plastic laminate.



ITEM	D	H	S	PRICE	CLUB
64-100	1/4	3/8	1/4	9.65	8.70

Bevel Trim Bit

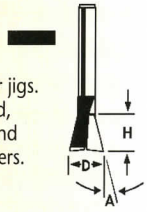


Cuts all plastic laminate. Use on portable routers and laminate trimmers for trimming plastic laminate.

ITEM	DIA	d	H	A	S	PRICE	CLUB
66-100	1/4	3/16	1/4	7	1/4	$9.65	$8.70
41-106	1/4		1/4	45	1/4	30.00	27.00

Dovetail Bits

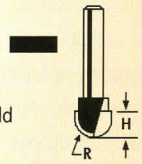
Use bearing versions with templates or jigs. Cuts all composition material, plywood, hard wood, and soft wood. Use on hand held and table mounted portable routers.



ITEM	DIA	H	A	S	PRICE	CLUB
22-100	1/4	5/16	7-1/2	1/4	$14.35	$12.95
22-102	3/8	3/8	9	1/4	13.15	11.85
22-104	1/2	1/2	14	1/4	14.35	12.95
22-112	1/2	1/2	14	1/2	18.55	16.70

Round Nose Bits

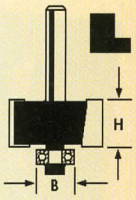
Use for decorative cuts. Cuts all composition materials, plywood, hard wood, and soft wood. Use on hand held and table mounted portable routers.



ITEM	DIA	H	R	S	PRICE	CLUB
18-104	1/4	3/8	1/8	1/4	$15.65	$14.10
18-106	3/8	3/8	3/16	1/4	17.70	15.95
18-108	1/2	3/8	1/4	1/4	11.35	10.25
18-110	5/8	7/16	5/16	1/4	21.85	19.70
18-112	3/4	7/16	3/8	1/4	23.25	20.95
18-122	3/4	1-1/4	3/8	1/2	33.50	30.20

Rabbeting Bits

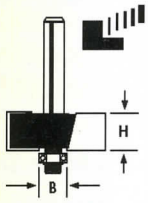
Produces super smooth cuts on both surfaces of the rabbet. Used in joining boards or for letting in back panels. Pilots can be removed and used with edge guides for wider rabbets. All bits cut 3/8" rabbet. Cuts all composition materials, plywood, hard wood, and soft wood. Use on hand held and table mounted portable routers.



ITEM	DIA	B	H	S	PRICE	CLUB
32-096	1-1/4	1/2	3/8	1/4	$28.10	$25.30
32-100	1-1/4	1/2	1/2	1/4	24.10	21.70
32-102	1-1/4	1/2	1/2	1/2	31.00	27.95

Rabbeting Bits with Bearing Set

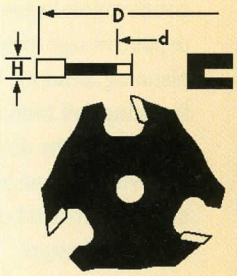
Interchangeable bearings cut rabbets of different depths, producing super smooth cuts on both surfaces of the rabbet. Can be used in joining boards or for letting in back panels. Wrench included. Cuts all comp. materials, plywood, hard and soft wood. Use on hand or table mounted portable routers.



ITEM	DIA	BEARING DIA	H	S	PRICE	CLUB
32-502	1-3/8	3/8,1/2,5/8,3/4	1/2	1/4	$32.80	$29.55
32-504	1-3/8	3/8,1/2,5/8,3/4,7/8,1-1/8,1-3/8	1/2	1/4	45.70	41.15
32-524	1-3/8	3/8,1/2,5/8,3/4,7/8,1-1/8,1-3/8	1/2	1/2	45.70	41.15

Cutters

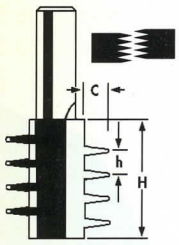
Use for T-moldings, spline joints, etc. Anti-Kickback Design. Use with Freud's slotting cutter arbors **60-100** for 1/4" shanks and **60-102** for 1/2" shank. **62-108** bearing should be used. Cuts all composition materials, plywood, hard wood, and soft wood. Use on hand held and table mounted portable routers.



ITEM	DIA	d	H	PRICE	CLUB
56-100	2	5/16	1/16	$16.25	$14.65
56-108	2	5/16	1/8	16.25	14.65
56-110	2	5/16	3/16	16.25	14.65
56-112	2	5/16	1/4	16.25	14.65
60-100	1/4 Arbor			5.30	4.80
60-102	1/2 Arbor			5.00	4.55
62-108	Bearing (22mm Dia)			4.85	4.40

Finger Joint Bit

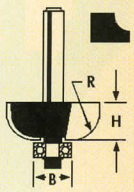
Make professional finger joints. Used for joining wood edge to edge or end to end. Joint produced is stronger than the wood itself. Cuts all composition materials, plywood, hard wood, and soft wood. Use on hand held and table mounted portable routers.



ITEM	D	C	H	h	S	PRICE	CLUB
99-037	1-3/8	5/16	1-9/16	21/64	1/2	$98.70	$88.85

Cove Bits

Cove bits have an upward shear angle for a more efficient and smoother cut, similar to the way a craftsman uses a hand plane. Cuts all composition materials, plywood, hard wood, and soft wood. Use on hand held and table mounted portable routers.



ITEM	DIA	B	H	R	S	PRICE	CLUB
30-102	7/8	3/8	1/2	1/4	1/4	$26.30	$23.70
30-104	1-1/4	1/2	1/2	3/8	1/4	29.30	26.40
30-106	1-3/8	3/8	5/8	1/2	1/4	30.15	27.15

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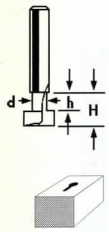
Key Hole Bit

Solid carbide bit creates key holes for hanging plaques and shelves. Larger diameter bores holes to allow nail or screw heads to enter the slot while the smaller diameter allows room for the shank of the nail or screw. Cuts all composition materials, plywood, hard wood, and soft wood. Use on hand held and table mounted portable routers.



ITEM	DIA	d	H	h	S	PRICE	CLUB
70-104	25/64	3/16	7/16	1/4	1/4	$18.50	$16.70

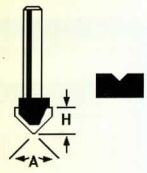
Up Spiral Router Bits

Excellent for grooves and dados in all composition materials, plywood, hard wood, and soft wood. Chips evacuate up and will not pack the groove.

ITEM	DIA	H	S	PRICE	CLUB
75-102	1/4	1	1/4	$17.65	$15.90

"V" Grooving Bits

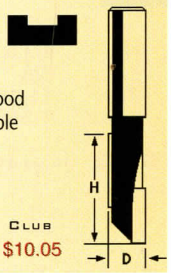
Use for accent cuts. Cuts all composition materials, plywood, hard wood, and soft wood. Use on hand held and table mounted portable routers.



ITEM	DIA	H	A	S	PRICE	CLUB
20-100	1/4	1/4	90	1/4	$16.20	$14.60

Stagger Bits

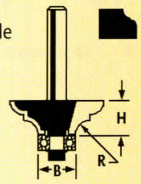
Helps eliminate vibration. Cuts all composition materials, plywood, hard wood and soft wood. Use on hand held and table mounted portable routers.



ITEM	DIA	H	S	PRICE	CLUB
14-106	1/2	2-1/8	1/2	$11.15	$10.05

Classical Bold Coves & Round Bit

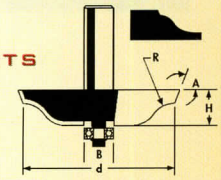
Ideal for forming a decorative edge on table tops, plaques, and cabinetry. Use Freud's 62-102 to convert round over profile into a bead.Cuts all composition materials, plywood, hard wood, and soft wood. Use on hand held and table mounted portable routers.



ITEM	DIA	B	H	R	S	PRICE	CLUB
38-502	1-1/4	1/2	7/16	3/16	1/4	$31.70	$28.55
38-504	1-1/2	1/2	1-1/16	1/4	1/4	34.40	30.90

Raised Panel Bits

Cuts all composition materials, plywood, hard wood, and soft wood. Use on hand held and table mounted portable routers.

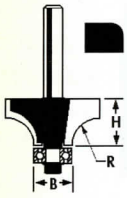


ITEM	DIA	B	H	h	R	A	S
99-213	2-3/4	1/2	35/64	15/64	7/16	80	1/2

PRICE	CLUB
$76.50	$68.85

Rounding Over Bits

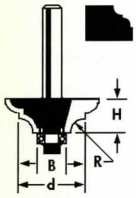
Used to soften the edge of furniture and boxes. Provides the smoothest cut available. These bits can be equipped with a Freud 62-102 bearing for beading work. Cuts all composition materials, plywood, hard wood, and soft wood. Use on hand held and table mounted portable routers.



ITEM	DIA	B	H	R	S	PRICE	CLUB
34-104	3/4	1/2	1/2	1/8	1/4	$27.15	$24.45
34-108	7/8	1/2	1/2	3/16	1/4	29.30	26.35
34-110	1	1/2	1/2	1/4	1/4	26.30	23.65
34-112	1-1/8	1/2	1/2	5/16	1/4	28.40	25.60
34-114	1-1/4	1/2	5/8	3/8	1/4	28.40	25.60
34-116	1-1/2	1/2	3/4	1/2	1/4	30.15	27.15
34-120	1	1/2	1/2	1/4	1/2	27.60	24.85
34-124	1-1/4	1/2	5/8	3/8	1/2	34.90	31.40
34-126	1-1/2	1/2	3/4	1/2	1/2	37.90	34.10
34-128	2	1/2	1	3/4	1/2	48.25	43.45

Classical Bold Cove & Bead Bit

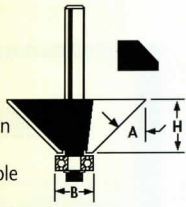
Accent any piece of furniture or millwork. Cuts all composition materials, plywood, hard wood, and soft wood. Use on hand held and table mounted portable routers.



ITEM	DIA	d	B	H	R	S	PRICE	CLUB
38-522	1-1/4	7/8	3/8	7/16	3/16	1/4	$32.40	$29.20

Chamfer Bits

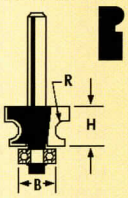
Produces a uniform chamfer on the edge of the work. Chamfer size is adjusted easily by changing the height of the bit. Cuts all composition materials, plywood, hard wood, and soft wood. Use on hand held and table mounted portable routers.



ITEM	D	B	H	A	S	PRICE	CLUB
40-104	1-1/2	1/2	1/2	45	1/4	$27.15	$24.45
40-106	1-3/4	1/2	5/8	45	1/4	33.50	30.15

Traditional Beading Bits

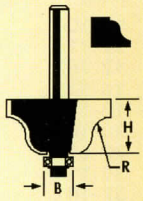
Forms a single bead with a square shoulder. Used by remodelers to match moldings in older houses. Cuts all composition materials, plywood, hard wood, and soft wood. Use on hand held and table mounted portable routers.



ITEM	DIA	B	H	R	S	PRICE	CLUB
80-102	7/8	1/2	9/16	1/8	1/4	$27.50	$24.75
80-104	1	1/2	11/16	3/16	1/4	29.35	26.40

Roman Ogee Bits

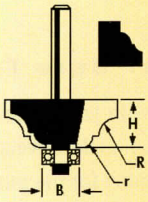
Roman Ogee pattern lends an air of classical styling to any project. Profile can be changed by changing the height of the bit.Cuts all composition materials, plywood, hard wood, and soft wood. Use on hand held and table mounted portable routers.



ITEM	D	B	H	R	S	PRICE	CLUB
38-100	1-1/16	3/8	1/2	5/32	1/4	$32.75	$29.50
38-102	1-3/8	3/8	23/32	1/4	1/4	34.05	30.65

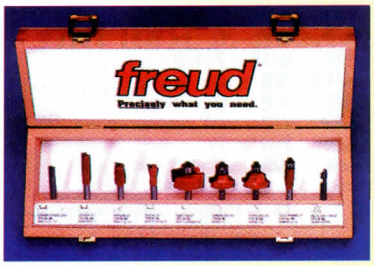
Classical Cove & Bead Bit

The classical lines of this profile will accent any piece of furniture or millwork. Cuts all composition materials, plywood, hardwood, and soft wood. Use on hand held and table mounted portable routers.



ITEM	DIA	B	H	R	r	S	PRICE	CLUB
38-352	1-1/2	1/2	5/8	1/4	5/32	1/4	$32.80	$29.55

Nine Piece Basic Door Set



This is the ideal starter set for the woodworker. It has a variety of bits that allow you to experience many of the uses for your router. All of these bits are either carbide tipped or are solid carbide for long lasting sharpness. Comes in a wooden box. (1/4" shank)

ITEM	DIAMETER	B	H	R	A
04-104	1/4	NA	1/2	NA	NA
04-124	3/8	NA	1	NA	NA
16-100	1/2	NA	1/2	NA	NA
22-104	1/2	NA	1/2	NA	14
32-100	1-1/4	1/2	1/2	NA	NA
34-110	1	1/2	1/2	1/4	NA
38-100	1-1/16	3/8	1/2	5/32	NA
42-102	3/8	3/8	1/2	NA	NA
70-100	1/4	NA	1/4	NA	NA

88-100 $154.75 (Club $139.30)

Fifteen Piece Advanced Bit Set

This set offers you a large variety of useful bits: from "V" grooving to flush trimming and chamfering to dovetailing. All bits are solid carbide or carbide tipped and are sharpened to a razor sharp edge for super smooth results. Packaged in a sturdy wooden case. (1/4" shank)

ITEM	DIA	d	B	H	R	A
04-106	1/4	NA	NA	3/4	NA	NA
04-140	3/4	NA	NA	3/4	NA	NA
16-100	1/2	NA	NA	1/2	NA	NA
20-104	1/2	NA	NA	7/16	NA	90
22-104	1/2	NA	NA	1/2	NA	14
26-100	1/4	NA	NA	3/4	NA	NA
30-106	1-3/8	NA	3/8	5/8	1/2	NA
32-100	1-1/4	NA	1/2	1/2	NA	NA
34-114	1-1/4	NA	1/2	5/8	3/8	NA
38-100	1-1/16	NA	3/8	1/2	5/32	NA
40-106	1-3/4	NA	1/2	5/8	NA	45
42-106	1/2	NA	1/2	1/2	NA	NA
64-100	1/4	NA	NA	3-8	NA	NA
66-100	1/4	3/16	1/4	NA	NA	7

90-100 $256.65 (Club $231.00)

Four Piece Undersized Plywood Set

What a time saver. Use this set to rout perfectly fitted grooves and dadoes. Designed to cut today's undersized plywood, they will simplify your life. Ideal for 1/4" to 3/4" plywood. (1/2" shank)

ITEM	DIAMETER	H	S
04-111	7/32	3/4	1/4
16-103	23/32	1/2	1/4
16-096	5/32	1/2	1/4
16-098	15/32	1/2	1/4

90-106 $66.85 (Club $60.20)

Five Piece Cabinet & Molding Bit Set

This extremely useful set allows you to produce your own cabinet doors and over 39 molding patterns. Designed to be used with a 1/2" shank table mounted router. Use with 3/4" stock.

ITEM	DIAMETER	B	H	h	R	r
99-031	1-1/2	NA	1-1/4	23/64	NA	NA
99-210	2-3/4	1/2	5/8	7/32	35/64	1/8
99-260	1-11/16	7/8	11/16	15/64	7/32	NA
99-PK1	2-5/32	1/5	1-59/64	NA	25/64	5/16

95-100 $310.40 (Club $279.35)

Thirteen Piece Super Bit Set

This set offers you a variety of useful bits. It includes "V" grooving, flush trimming, chamfering,dovetailing, and many other of the bits most frequently used by wood-workers. Each bit is sharpened to a razor sharp edge and packaged in a sturdy wooden case for maximum protection of the cutting edges.

ITEM	DIAMETER	B	H	R	A
12-100	1/2	NA	3/4	NA	NA
12-116	1/2	NA	1	NA	NA
12-152	3/4	NA	1	NA	NA
16-110	1/2	NA	1/2	NA	NA
18-114	1/4	NA	3/8	1/8	NA
20-108	3/4	NA	1/2	NA	90
22-112	1/2	NA	1/2	NA	14
30-114	1-3/8	3/8	5/8	1/2	NA
32-102	1-1/4	1/2	1/2	NA	NA
34-124	1-1/2	1/2	5/8	3/8	NA
38-106	1-3/8	3/8	3/4	1/4	NA
40-114	1-3/4	1/2	5/8	NA	45
42-110	1/2	1/2	1	NA	NA

91-100 $256.65 (Club $231.00)

Three Piece Super Bit Set

This three piece set combines our most popular rail and stile bits with a 3 1/2" diameter traditional raised panel bit. Each bit is individually balanced and designed to be used with a 1/2" shank table mounted router. Use with 3/4" stock. Wooden storage case included.

ITEM	D	B	H	H	R	A
99-218	3-1/2	1/2	5/8	5/64	1-1/2	NA
99-260	1-11/16	7/8	11/16	15/64	7/32	NA

97-102 $201.35 (Club $181.25)

ITEM	D	B	H	H	R	A
99-215	3-1/2	1/2	5/8	1/4	NA	NA
99-260	1-11/16	7/8	11/16	15/64	7/32	NA

97-100 $256.65 (Club $231.00)

Five Piece Cabinet Bit Set

Produce your own cabinet doors with this bit set at a fraction of the cost of sharper theads! Each bit is individually balanced and designed to be used with a 1/2" shank table mounted router. Use with 3/4" stock. Wooden storage case included.

ITEM	D	B	H	h	R	A
99-001	29/64	3/4	1-1/4	11/16	3/8	7
99-031	1-1/2	NA	1-1/4	23/64	NA	30
99-210	2-3/4	1/2	5/8	7/32	35/64	NA
99-260	1-11/16	7/8	11/16	15/64	7/32	NA

94-100 $252.70 (Club $227.45)

Eight Piece Bit Sets For Incra Jig

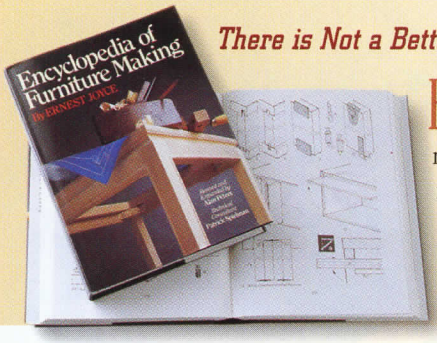
Combine these bit sets with your table mounted router equipped with an Incra Jig and you can make dovetail and box joints as easy as 1,2,3. Just use the right bit number for the joint you are making and follow the directions in the Incra Jig Manual. Both of these sets produce identical profiles. The 96-100 set have 1/4" shanks and the 96-102 have 1/2" shanks. Both sets are packaged in a sturdy wooden case.

ITEMD	H	A	
04-106	1/4	3/4	NA
04-124	3/8	1	NA
22-100	1/4	5/16	7-1/2
22-101	5/16	3/8	9
22-102	3/8	3/8	9
22-104	1/2	1/2	14
22-105	5/8	7/8	7
22-106	3/4	7/8	7

96-100 $121.60 (Club $109.40)

ITEMD	H	A	
12-100	1/4	3/4	NA
12-108	3/8	1	NA
22-107	1/4	5/16	7-1/2
22-108	5/16	3/8	9
22-110	3/8	3/8	9
22-112	1/2	1/2	14
22-113	5/8	7/8	7
22-114	3/4	7/8	7

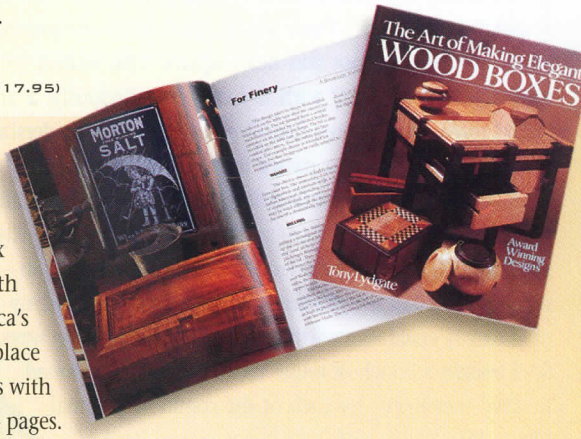
96-102 $135.90 (Club $122.30)



There is Not a Better General Woodworking Reference than this Time Tested Workhorse.

Every wood-worker needs a concise and thorough reference text to assist with decisions. I have used this book for over ten years in my adult woodworking classes and there is not a better general reference available. Topics include materials, tools, equipment, joinery, furniture construction, metal fittings, advanced techniques, draftsmanship, finishing and much more. A solid cornerstone for all woodworking libraries. Soft cover, 520 pages.

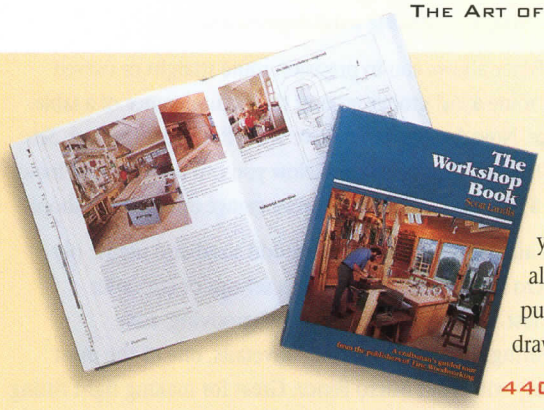
ENCYCLOPEDIA OF FURNITURE MAKING
4408-001 $19.95 (CLUB $17.95)



Your Scrap Pile Will Definitely Get Smaller with the Help of this New Book on Box Making!

The *Art of Making Elegant Wood* Boxes is one of the most beautifully photographed books on box making I have seen. Featured within are 23 extraordinary boxes sure to get you itchin' with ideas for the holidays. This book is chock full of ideas and techniques from thirteen of America's premier box makers that will take you months to explore in your own shop. Everyone needs a place for their stuff and you're just the person to make it. The *Art of Making Elegant Wood* Boxes comes with my highest ★★★★ recommendation! Soft Cover, 68 full-color photos, 144 pages.

THE ART OF MAKING ELEGANT WOOD BOXES 4408-008 $16.95 (CLUB $15.25)



There are at Least 100 Great Ideas for Your Workshop in this Terrific Book.

Here is the long awaited companion book to Scott Landis' best selling "The Workbench Book". The Workshop Book is very easy to relate to–do you recall the feelings you have when you walk into someone else's workshop? Packed with shop ideas from around the country, This book is a terrific asset for your woodworking library. From basement alcoves to large cabinet shops. The Workshop Book examines all aspects of the wood shop. A woodworker, Scott Landis knows just what to look for and photographs to push our "shop buttons". The Workshop Book is hardbound, contains 240 pages, 310 photographs, 69 drawings and is 9" x 12".

4401-022 THE WORKSHOP BOOK $34.95 (CLUB $31.45)

Inspiration for Your Shop, Den or Office Walls.

Quality is Contagious has been our creed since we started Bridge City Tool Works. We are energized to do our best every day by these posters, proudly displayed through-out our facility. You too can fill a wall with inspiration. Our set of three posters is available framed (black metal frame) or unframed. 24"x17".

FRAMED QUALITY IS CONTAGIOUS TRIO OF POSTERS
101-027 $150.00 (CLUB $135.00)
UNFRAMED QUALITY IS CONTAGIOUS TRIO OF POSTERS
101-026 $29.95 (CLUB $26.95)

One of the Most Fun Router Accessories Ever Invented!

WOOD THREADING KIT

Old fashioned thread boxes just do not have the guts to cut threads in exotic woods such as rosewood and ebony. And sharpening the cutters for a thread box is a nightmare. This threader will cut the mating threads in all woods, plastics and composite materials. Simply mount on your router, adjust the supplied bit and you are on your way. Comes complete with four sizes of taps, 1/2", 5/8", 3/4", and 1" and mating dies. This is a great gizmo for your shop. Uses include: knock down furniture, toys, sculpture, nutcrackers, all types of jigging, shop clamps and broom repair! The sky is the limit. This is one tool which can be a great money maker. By the way, you will be absolutely dumfounded at the beauty and strength of wooden threads. Complete instructions are included.

7601-001 WOOD THREADING KIT (4 SIZES) $144.00 (CLUB $129.60)
7601-002 LEFT HAND ACCESSORY KIT $106.00 (CLUB $95.40)
7601-004 SINGLE-END SOLID CARBIDE BIT $20.95 (CLUB $18.85)
4411-013 "THE NUTS AND BOLTS OF WOODWORKING" $14.95 (CLUB $13.45)
(DOZENS OF WOOD THREAD PROJECTS IN ONE VOLUME)

I Remember the First Time I Made a Perfect Joint...

It was a simple joint, but for me it was a triumph. The joy of gently persuading my cabinet sides together allowed me to finally feel like a real "woodworker". There was no slop, I used the precise amount of glue and the whole carcase was dead square. The walnut veneered plywood measured exactly .722" with my calipers. Obviously, a ¾" straight bit would route an oversized dado for material .028" undersized. I used a ⅝" bit and made two passes for every dado cut in my cabinet sides. It was time consuming and very awkward. I literally made practice cut after practice cut, until my groove fit the plywood. Through the wisdom only experience can nurture, I realized my physical energies were wasted and my productivity could increase dramatically if I changed my ways. So, I bought a bunch of router bits and had them ground in .005" increments for each of the common nominal sizes, .745", .740", .735", etc. I was just so tired of tapping a guide fence—cut...tap, cut...tap, cut—and I continued to wonder—***why isn't ¾" plywood ¾" thick?***

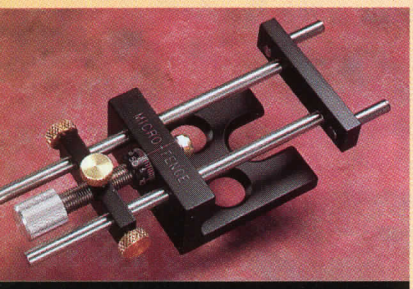


Fig. A The Micro Fence Edge Guide System provides an accurate and efficient method of linear measurement, reduces set-up times, and makes your router or trimmer a more versatile machine.

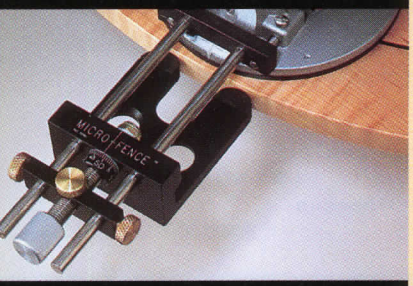


Fig. B Microfence with half-round inserts to follow curves and circles.

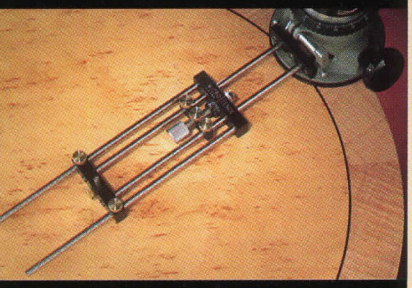


Fig. C The complete circle jig attachment expands the versatility of the edge guide system and virtually eliminates the need to make and store shop-made jigs.

ONCE TASTED, THE LURE OF THAT PERFECT JOINT IS A POWERFUL ONE.

Unfortunately, when a router bit returns from its annual haircut, the major diameter is forever changed to something less than the original specification. Over time I ended up with a nice collection of bits that cut to odd sizes, which is useful because it is impossible to purchase or make stock to *exact* nominal sizes. Keeping track of all of those burnt bit diameters, however, was no solution.

Much has changed over the years, thank goodness. My Sears router is retired, and I've discovered a relatively simple device (although it looks complex)—Richard Wedler's Micro Fence. No tool or accessory, to my knowledge, can compete with the Micro Fence for accuracy or time savings. *And rarely does one tool accomplish both.* If you own a router, you need the Micro Fence.

Here's why...Once attached to your router (see chart for your model number) your Micro Fence is capable of fence adjustments to 1/1000 of an inch (.001"). One full revolution of the large adjusting knob moves your fence fifty thousandths of an inch (.050"), just shy of 1/16 of an inch. ***The Micro Fence is precise, fast, repeatable and dependable.***

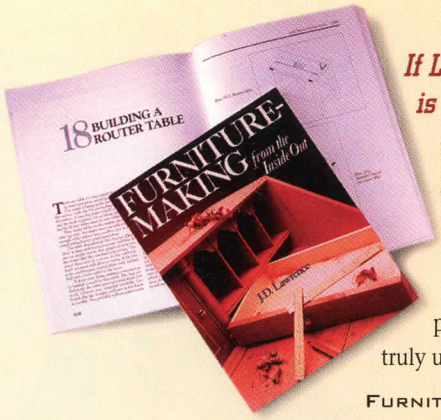
The complete Micro Fence allows you to precision route straight or curved applications. Try and route a 1/16" groove around the circumference of a table with your router fence. Now do a second groove 1/32" offset from the first. *Set-up for this application took less than 30 seconds!* Now you can do work that looks like it was done on a $100,000 CNC router in your garage or basement shop!

Applications include all forms of dado work for odd sized and metric ply material. Use the Micro Fence to match previous set-ups or cuts after breakdown; it's very fast. Veining for inlaying, "V" grooving, cove grooving, fluting, slotting, slitting and sliding dovetails, one of the most difficult joints, are easy with your Micro Fence. Great for making tight fitting drawer bottoms and drawer fittings. Your work will tend to square up easier if the joints are accurately placed and cut—all in a day's work for the Micro Fence.You can purchase the Micro Fence separately or combined with the equally precise circle jig attachment. Once attached to your router, you will be able to cut perfect circles or cut concentric grooves and rings. You can do things with your router that you haven't even dreamed of yet. ***The combined unit (router not included) is our best value.*** Please call us at 1-800-253-3332 for availability if your router model is not listed in the chart.

Router Model	Router Edge Guide $125.00 (Club $112.50)	Circle Jig $98.00 (Club $88.20)
A. Porter Cable 100, 150, 350, 630, 670, 675, 690, 693	6618-004	6618-007
B. Bosch 1611, 1613, 1615, B1450, B1550 DeWalt 624-25 Elu 3337-39	6618-005	6618-008
C. Makita 3612B, 3612BR Hitachi TR12, M12V Ryobi RE600 Freud FT2000E	6618-006	6618-009
D. DeWalt Elu 2721 B & D 2720	6618-011	6618-012
E. Makita 3620 DeWalt 614-615 Elu 3303-3304 B & D B6200 (Quantum)	6618-013	6618-014
Circle Jig Attachment (Fits existing Micro Fence mounts)	6618-010	$79.00

SAVE $$$! Micro Fence Router Edge Guide and Circle Jig Attachment Special. (No additional Club discount). (Please specify router)

A. 6618-001 B. 6618-002 C. 6618-003 D. 6618-015 E. 6618-016 **$198.00**



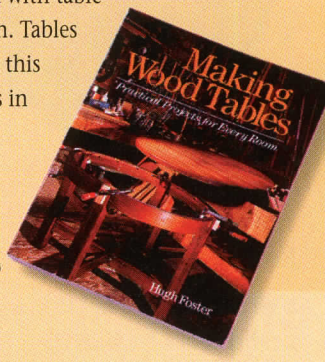
If Learning How to Make Furniture is Your Objective, Start Here!

Furniture Making From The Inside Out is a terrific way to learn the process of making furniture. Find out how to break a piece of furniture down into its parts, build them, and then assemble them into a finished project. Build with confidence when you truly understand the process. Softbound.

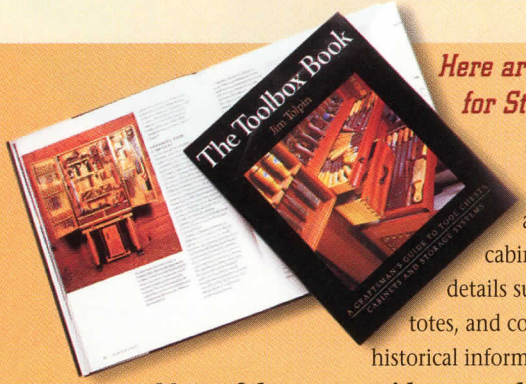
FURNITURE MAKING FROM THE INSIDE OUT
4408-034 $18.95 (CLUB $17.05)

Tables, Tables and More Tables! Here's How to Make Them Graceful and Strong.

Making Wood Tables is dedicated to the many horizontal surfaces we call tables. Packed with table ideas for every room and occasion. Tables need not cost a lot of money and this guide shows you how. If a table is in your project future, consult this book first! Softbound.



MAKING WOOD TABLES
4408-037 $18.95 (CLUB $17.05)



Here are Hundreds of Ingenious and Beautiful Ideas for Storing Your Cherished and Valuable Tool Collection.

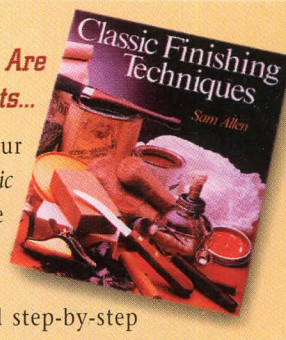
The Toolbox Book takes you on an odyssey through the tool boxes, chests, cabinets, and storage systems that have inspired the design and building of a nation. Over 100 black and white drawings, along with 170 full-color photos, illustrate the aesthetic sensibilities and expertise of master craftsmen, cabinetmakers, students... even astronauts! Includes great solutions for storage strategies and tool transport, details such as locking mechanisms, pivot assemblies, stacking and nesting modules, doors that disappear, tiered totes, and construction and finishing techniques. This fundamental reference contains a wealth of practical and historical information to assist you in protecting your tools and organizing your workshop for a more efficient workflow. ***Many of these storage ideas were designed for Bridge City tools.*** Hardcover with dust jacket, 208 pages.

4401-027 THE TOOLBOX BOOK $34.95 (CLUB $31.45)

At Last! Small Dead Blow Mallets!

Every dead blow mallet I have used feels like it was designed for Paul Bunyan. Here are two smaller dead blows that you will cherish. The recoilless polyurethane tips absolutely will not dent or mar hardwood or metal surfaces and they're replaceable. The hollow steel shaft increases striking power while reducing fatigue. Persuading a tight joint home is a true pleasure with these great shop aids!

7610-006 30MM (1.2" DIA.) DEAD BLOW MALLET $42.60 (CLUB $38.35)
7610-008 30MM REPLACEABLE TIPS (2) $3.90 (CLUB $3.50)
7610-007 40MM (1.6" DIA.) DEAD BLOW MALLET $51.20 (CLUB $46.05)
7610-009 40MM REPLACEABLE TIPS (2) $5.20 (CLUB $4.65)



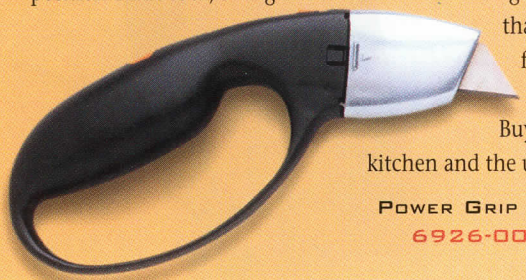
Those Beautiful Old Finishes Are No Longer Lost Secrets...

Nothing increases the value of your work more than a great finish. *Classic Finishing Techniques* is a full color guide to the authentic finishes used by master craftsmen of bygone days. Richly photographed with detailed step-by-step instructions, this book will help you turn your work into a classic of tomorrow–today! Hardbound. Highly recommended.

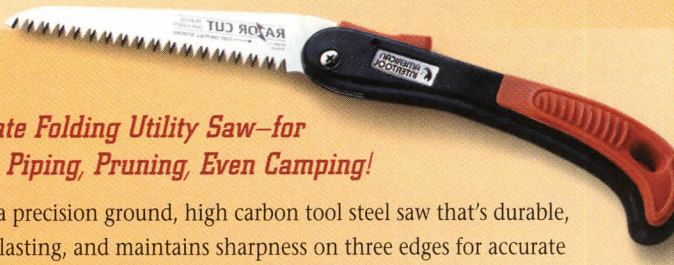
4408-036 CLASSIC FINISHING TECHNIQUES $19.95 (CLUB $17.95)

What a Joy: A Tool Somebody Sat Down and Thought About. You'll Simply Love This New Utility Knife...

Gain maximum effect with less effort, and minimizing discomfort and strain with this ergonomically designed knife. The Power Grip Utility Knife cuts cloth, leather, vinyl, cardboard, fiberglass, screening, plastic, veneer and more. An extremely versatile shop accessory, this utility knife includes: a patented, molded handle with loop proven to maximize user comfort while protecting hand and stabilizing cutting surface, 5-position blade lock, swing-out standard blade storage, and metal housing that surrounds the blade for greater stability, durability and safety. Buy one for the shop, the kitchen and the utility room!



POWER GRIP UTILITY KNIFE
6926-001 $10.95 (CLUB $9.85)



The Ultimate Folding Utility Saw–for Wood, Piping, Pruning, Even Camping!

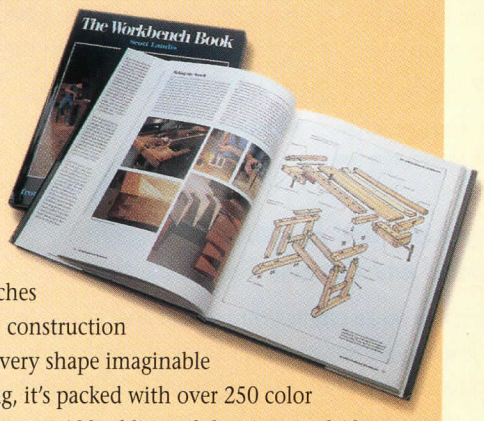
Here's a precision ground, high carbon tool steel saw that's durable, long-lasting, and maintains sharpness on three edges for accurate cutting. This high-tech, patented Cuts-All Blade features a unique taper from the tooth tip to the top of the blade to prevent binding and employs a long tooth for cuts. Two rows of precision sharpened teeth—ground into the heaviest, strongest portion of the blade—cut faster than traditional saws. The reversed rake position of the teeth, toward the handle, allows you to cut on the pull stroke instead of pushing the sawblade through the wood or plastic. A hard-chrome blade finish for reduced friction also eliminates rust and is easy to clean. Hangs conveniently on pegboard or folds neatly away in a back pocket or tool box.

6225-001 CUTS-ALL SAW $11.50 (CLUB $10.35)

Wow! A Foot/Inch/Fraction Calculator That Attaches to Your Tape Measure!

TapeMate allows you to perform complex construction calculations without putting your tape measure down. Works with all common fractions down to 1/64", calculates areas and volumes and never needs batteries! Works on all 20' tapes or larger. One of the most useful products we have tested and is a great gift idea.

6800-100 TAPEMATE $19.99 (CLUB $17.99)

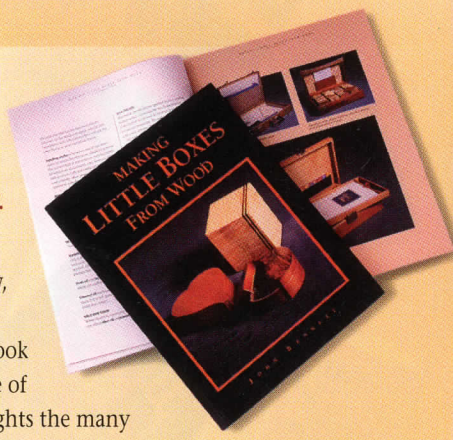


The Heart of Your Shop: Explained in Detail!

Full of more shop tips than any other bench book on the market. Topics include vises, benches of every size, shape and function, construction details and how to clamp about every shape imaginable to your bench. Fascinating reading, it's packed with over 250 color and black-and-white photographs, over 100 additional drawings and 19 full pages of measured drawings! Portable benches, tail vises, benches for boat building, benches for luthiers and much more. I could go on but its much more fun to find out for yourself. Highly recommended. Hardbound, 248 pages, 8 1/2"

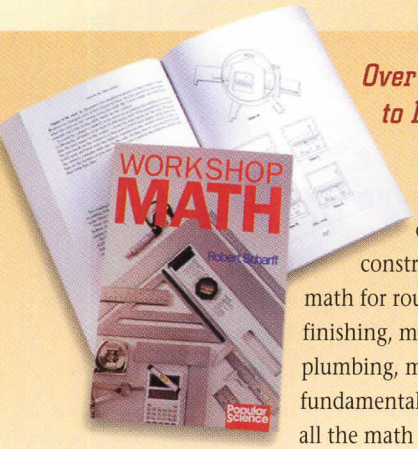
4401-003 THE WORKBENCH BOOK $34.95 (CLUB $31.45

Making Little Boxes From Wood Will Guide You Through 24 Original Projects.



Everything an aspiring box maker needs to know, from joints through finish choices is detailed in this book from England. A wide range of crafty lids and joints highlights the many richly described details. Softbound.

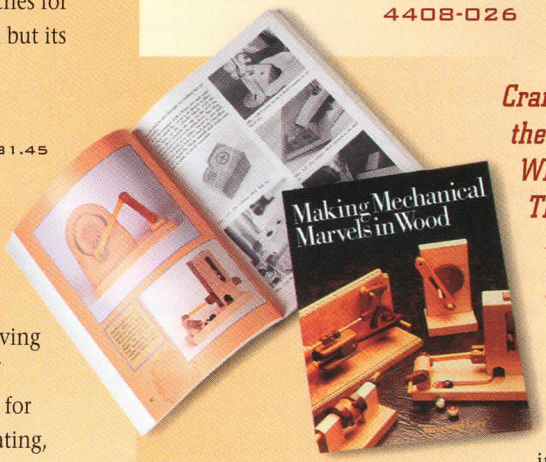
MAKING LITTLE BOXES FROM WOOD
4408-026 $14.95 (CLUB $13.45)



Over 450 Pages of Math to Expand Your Skills

With the purpose of saving you infinite hours of calculations; here's math for construction layout and estimating, math for rough carpentry, math for interior finishing, math for heating, cooling and plumbing, math for energy savings, and fundamental electrical calculations—basically, all the math you'll ever need in the shop already formulated for you. Numerous home, electrical and automotive applications are also outlined and detailed in this resourceful guide. *Workshop Math*; an "everything you need to know" book. Soft cover.

WORKSHOP MATH
4408-018 $16.95 (CLUB $15.25)



Crank the Handles & Watch the Fun...Marbles That Move, Wheels That Spin, Pistons That Pump!

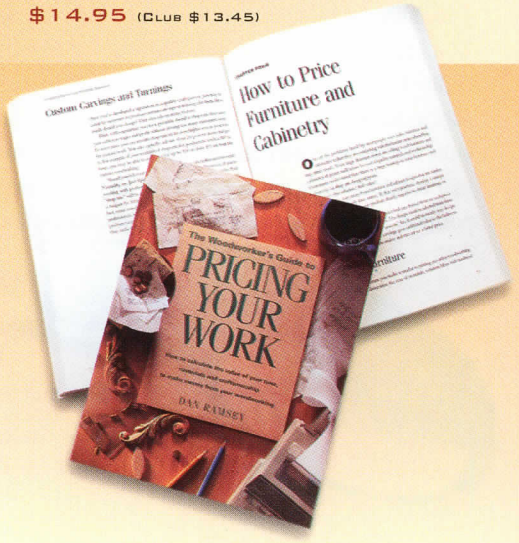
For woodworking hobbyists who wish to create action in their work with visible moving parts, seek the assistance of *Making Mechanical Marvels in Wood* to stimulate your imagination! Patterns and instructions for designing and building exciting devices grace the pages of this new book. Derived by inventors from the 18th and 19th centuries, as well as contemporary contributors, full-color photos and draftsman-quality drawings illustrate the making of parts and the assembly of various mechanisms. Consult this step-by-step guide for the construction of your next apparatus and discover why these operational models have become some of the most popular desk accessories and gift items! Soft cover, 192 pages.

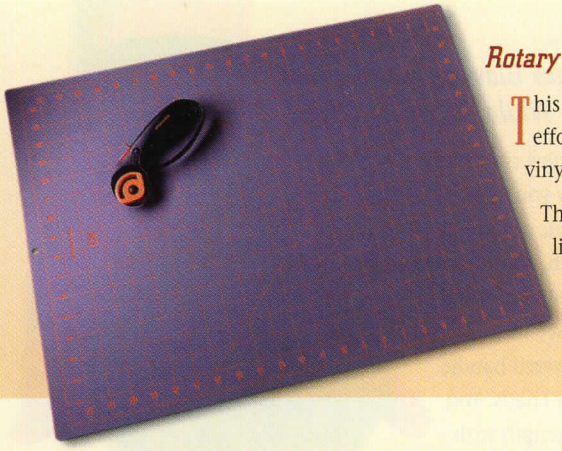
MAKING MECHANICAL MARVELS IN WOOD
4408-016 $14.95 (CLUB $13.45)

Find Out How the Experts Make Big $$$ From Their Woodworking Skills!

Here's the first guide on how to price, produce and profit from your woodworking skills. *The Woodworker's Guide to Pricing Your Work* introduces specific methods for selling your work for the actual value, rather than simply the cost. Drawing from the experience of dozens of woodworkers, learn how to accurately manage and market the time, materials, and craftsmanship you invest in your work; develop the right image to build repeat and referral business; and explore the means to outsource specialized work at shows, markets, fairs or from mail-order sales. An invaluable appendix includes forms and worksheets for the amateur seeking additional income for a hobby, or the professional interested in making more money for a full-time business. Soft cover, 160 pages.

THE WOODWORKER'S GUIDE TO PRICING YOUR WORK
4428-004 $18.95 (CLUB $17.05)





Rotary Cutting Knife Makes Cutting, Slitting & Scoring a Breeze!

This award winning utility knife uses a replaceable circular knife and cuts effortlessly. Ideal for thin wood and veneers, wallboard, cardboard, vinyl. A wonderful gift idea for craftspeople of all ages.

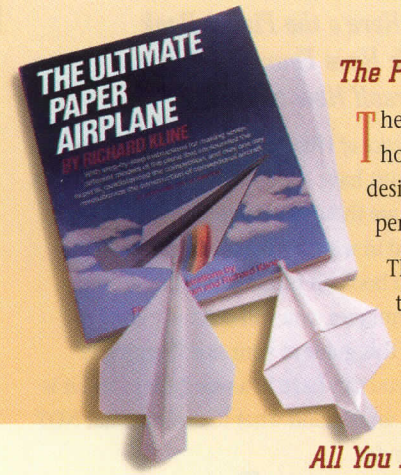
The self-healing cutting mat is a great guide for cutting straight lines and prevents cuts penetrating to surfaces where they don't belong. These 18" x 24" mats also make great desk/mouse pads.

6926-003 Rotary Knife $13.99 (Club $12.60)
6926-005 Replacement Knife $5.95 (Club $5.35)
6926-004 18 x 24 Cutting Mat $18.99 (Club $17.10)

These Are the Highest Flying Paper Airplanes You Can Make. Brace Your Neck!

These designs are for serious enthusiasts. They take approximately an hour to construct and are miniature works of art when completed. Heights of 150 feet are attainable with 1-3 minutes of sustained flight, obviously difficult to achieve indoors. Each set consists of 15 models. Simply fantastic, I can't say enough about this product. Tip: whenever the manual calls for glue, use double stick tape–works without the mess.

4411-013 White Wings 15 Light Plane Series $17.95 (Club $16.15)
(Not shown) 4411-014 White Wings 15 Original Series $17.95 (Club $16.15)
4411-015 White Wings Set $34.00 (Club $30.60)



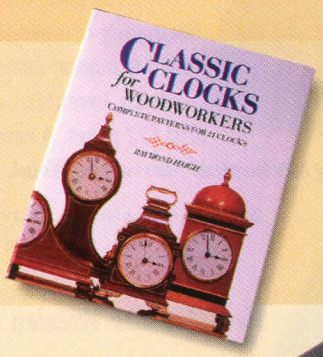
The Paper Airplane Seen on 60 Minutes!

The *"Ultimate Paper Airplane"* is 126 pages of great fun and fascinating reading. It features step-by-step instructions on how to fold and create the Sky Hawk, a truly amazing paper airplane which has befuddled NASA. All seven of the designs in this book employ the Kline-Fogelman airfoil which is banned by most paper airplane competitions–my personal favorite is the "Condor."

These planes easily fly as high as a telephone pole and routinely end up in somebody's gutter. Each of the seven designs takes about one half hour to fold. And contrary to scientific viewpoints, what goes up does not always come down.

Ultimate Paper Airplane
4404-001 $11.00 (Club $9.90)

All You Need To Know For Making Graceful Timepieces!



Classic Clocks for Woodworkers clearly describes how to construct wooden clock cases that will lend elegance to any home. The 21 timeless designs from five centuries are sure to please woodworkers of all abilities. Highly informative and invaluable for those making timepieces. Hardbound.

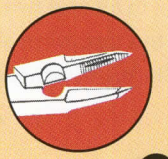
4408-039 Classic Clocks for Woodworkers $16.95 (Club $15.26)

Here's a Pair of Shop Snips that Will Make You Feel Like Hercules!

Multi-snips that cut a multitude of materials—carpet, cloth, linoleum, thin sheet metal, and more. This compact snip design is ideal for the kitchen, utility room, garage, workshop, even the garden! Precision ground and hardened (high carbon) steel blades, adjustable reinforced pivot for extra strength, easy-access slide lock and cushion grip—***all these features are combined in one tool for all your cutting needs.***

6926-002 Fiskar's Multi-Snips $24.70 (Club $22.25)

The Accuracy of Precision Tweezers In a Pair of Pliers–YES!



These stainless steel, sure-grip pliers have set a new standard for quality, affordable precision pliers. Featuring a cutter and a center groove for easy maneuvering, this pair of pliers (one with a serrated needle nose; the other with a bent nose tip), is ideal for all fine work in woodworking, electronics, automotive, hobbies, and household repair. ***These are terrific gifts!***

6905-002 Miracle Point Pliers $19.95 (Club $17.95)

We Found the IDEAL Small Screw Driver Set!

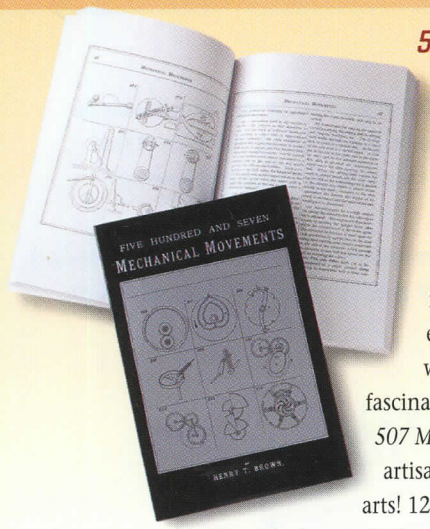
Here's a terrific set of small screw drivers worthy of your tool chest. The red cap spins for easy, one-handed operation. The blades are extremely tough and durable. Phillips sizes: 00, 0, and 1, and straight drivers 1/16", 5/64", 3/32", 1/8" included. This is a great gift idea for the special craftsperson. Highly recommended.

7610-003 7-PIECE SMALL SCREW DRIVER SET
$29.98 (CLUB $26.95)

Look–Fingerless Gloves That Increase Grip While Reducing Effort!

A brand new concept sure to change the way you work. The New Grip is an ergonomic gripping device that conserves strength, absorbs vibration, prevents splinters, blisters and callouses and provides a more secure grip than any glove or pre-covered handle. Nothing slips, rubs or chaffs. You end up with more strength with less hand fatigue. Terrific for carvers, turners, router work, gardening, and really shine with hand screw clamps. The material is odorless, washable and very well made. Try a pair today, you will be very pleased.

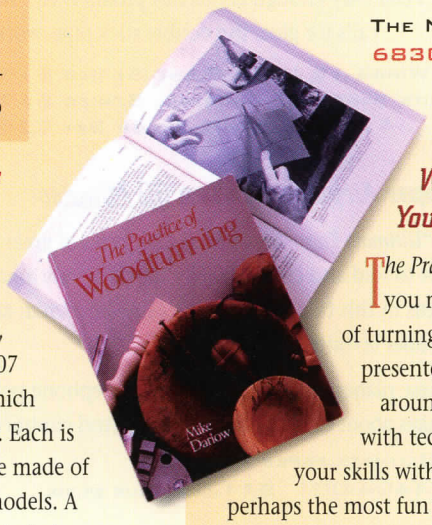
THE NEW GRIP (SPECIFY SIZE, S,M,L)
6830-100 $19.95 (CLUB $17.95)



507 Fascinating Projects from Your Scrap Bin!

For those interested in mechanical things, this book is addictive. Simplified, concise drawings illustrate 507 of the many components which make up complex machinery. Each is explained, and many could be made of wood as sculptures or study models. A fascinating compendium of mechanical gizmos; *507 Mechanical Movements* is sure to engage any artisan, inventor, or student of the mechanical arts! 122 pages. ***A resourceful companion to Making Mechanical Marvels in Wood.*** *Softcover*

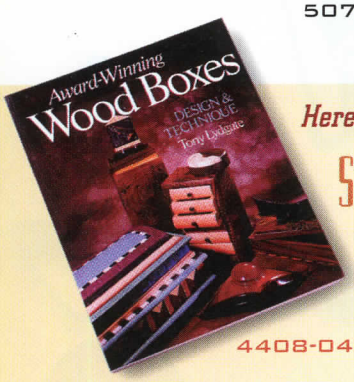
507 MECHANICAL MOVEMENTS, HENRY T. BROWN
4413-008 $12.50 (CLUB $11.25)



Here's the Finest Book We Have Found to Teach Yourself How to Turn.

The Practice of Woodturning is the one reference you must have if you own a lathe. All aspects of turning are thoughtfully and concisely presented in what we believe is the best all-around book on turning in print. Packed with techniques, you will certainly grow in your skills with this guide at your side. Turning is perhaps the most fun you can have in a wood shop, and it is really a hoot when you understand what to do and what NOT to do. Highly recommended. Softbound.

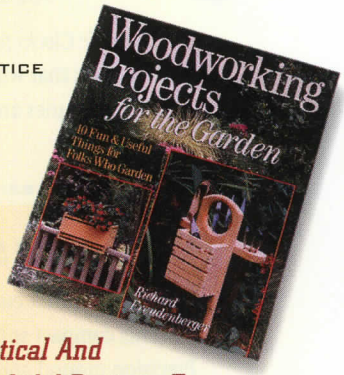
4408-041 THE PRACTICE OF WOODTURNING
$19.95 (CLUB $17.95)



Here Are The Wooden Boxes That Command Big Bucks!

See how the pros turn $20 worth of wood into $1000 and more! *Award-Winning Wood Boxes* is your guide into the design and techniques of some of America's leading professional woodworkers. This is a stunning, inspirational source for 40 exquisite boxes. A great companion to *The Art Of Making Elegant Wood Boxes*. Both are highly recommended. Softbound.

4408-040 AWARD-WINNING WOOD BOXES $17.95 (CLUB $16.15)



40 Practical And Delightful Projects For Your Garden

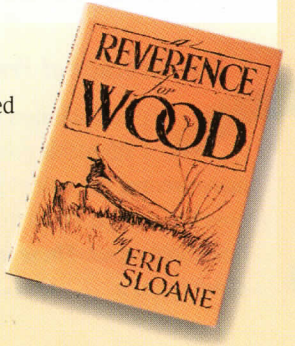
With the help of detailed instructions, *Woodworking Projects for the Garden* is sure to please all nature lovers. From bird feeders to footbridges, here's the compendium of ideas you need to make a world class garden. It's a winner! Softbound.

4408-024 WOODWORKING PROJECTS FOR THE GARDEN
$14.95 (CLUB $13.45)

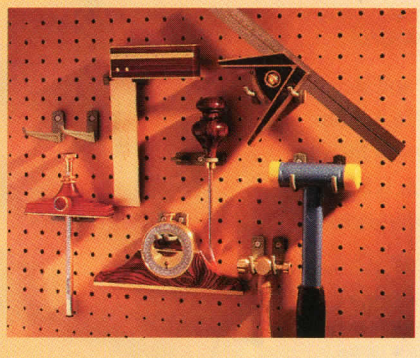
At Last! A Reverence For Wood Is Back In Print After 25 Years!

I never understand why great books go out of print. Here's a gem that I have referred to for over two decades. *A Reverence For Wood* is a peaceful journey that takes you to a time when almost everything was made from wood. It is sure to be a great read in any woodworker's library. Buy it now before it disappears AGAIN. Hardbound.

4425-002 A REVERENCE FOR WOOD $16.95 (CLUB $15.25)



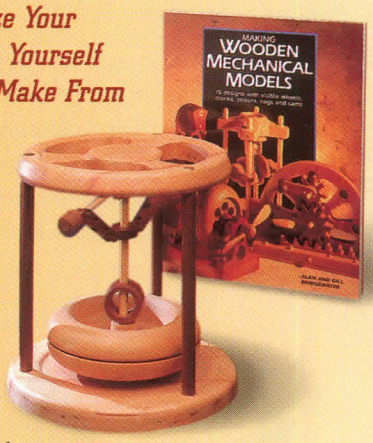
If You Have Pegboard in Your Shop, Dump Those Awful Steel Hooks Where They Belong, in the Recycle Bin. Please Meet the New High-Tech TALON™ Pegboard System...



Craftsmanship does not get more efficient than grabbing a tool off your tool wall for the job at hand. Nothing is more frustrating than having the steel hook come with it or fall to the floor amongst the dust and dead bugs. The TALON™ Pegboard Hook System is the only full line of toolholders that absolutely will not fall off your pegboard. Molded from nylon, an extremely strong, unbreakable plastic that will not mar your tools, these toolholders perform dramatically better than the standard wire metal hook. Each toolholder securely clamps to your wall-mounted pegboard (pressure is against the back of the board around each of two adjacent holes). Mountable in any direction on standard ¼" pegboards. ***This is the most innovative line of toolholders for virtually all handtools***. Don't delay, convert today! 45 pieces.

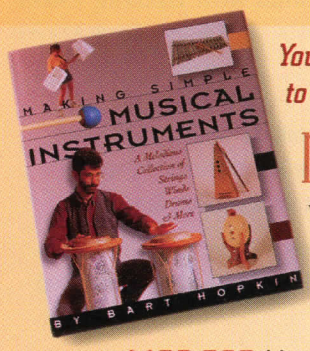
7614-001 TALON™ PEGBOARD SYSTEM $23.75 (CLUB $21.35)

Amaze Your Friends. Amaze Your Family. Heck, You'll Amaze Yourself with the Projects You Can Make From This Funtastic Book!



If no other wooden model book has captivated your attention, *Making Mechanical Wooden Models* is sure to entice your imagination! Over 140 pages, filled with over 340 expertly photographed illustrations, demonstrate the thrill of building 15 machines with small wooden parts. The projects are complete with material lists and diagrams, along with a challenging variety of techniques and procedures—from laminating and tenon wedging to precision drilling, pegging and whittling. ***A clever sampling of projects with exciting movable parts for rigs, engines and machines.*** Soft cover.

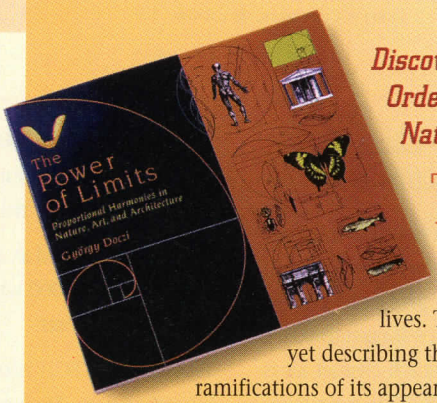
MAKING MECHANICAL WOODEN MODELS
4428-005 $21.95 (CLUB $19.75)



You Do Not Have to be Stradivarius to Make Music Out of Wood!

Making Simple Musical Instruments is a refreshingly original work sure to please woodworkers of all abilities. Packed with zany ideas, many of which you can share with young and old alike. Fun to read and a great gift idea. Hardbound.

4408-038 MAKING SIMPLE MUSICAL INSTRUMENTS
$24.95 (CLUB $22.45)

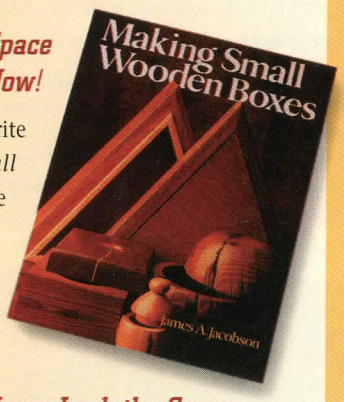


Discover the Hidden Order Behind the Nature Of Things...

The Power of Limits was inspired by those simple discoveries of visual harmony existing in our lives. This is one of the best books yet describing the "golden mean" and the ramifications of its appearance in nature and our own lives. A fascinating read, written in layman's terms, *The Power of Limits* shows us how our designs, when well done, fit into a larger, grand scheme of cosmic order. If you are a designer or aspire to higher ideals, this book belongs in your library–its message is hard to ignore. Softbound.

4417-002 THE POWER OF LIMITS SOFTCOVER
$25.00 (CLUB $22.50)

There is Never Enough Space for Your Stuff...Until Now!



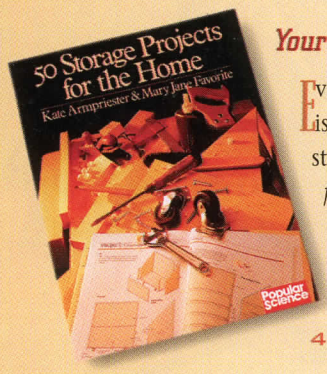
It's no wonder boxes are a woodworkers favorite project–we have lots of stuff! *Making Small Wooden Boxes* is full of fun ideas to turn simple boxes into works of art. Includes dozens of plans and step-by-step instructions. Softbound.

4408-032 MAKING SMALL WOODEN BOXES $12.95 (CLUB $11.65)

This is The Handiest Shop Vac Accessory You'll Ever Own!

Mr. Nozzle is the accessory package that should have come with your shop vac. Includes a 12' crushproof hose that *increases* airflow, a non-brittle crevice tool, claw tool and swivel cuff. This is a winner of a product and a must have for every shop! Fits all standard wet/dry vacs. Highly recommended.

7325-100 MR. NOZZLE VAC TOOL KIT
$29.95 (CLUB $26.95)



Your House Will Never Look the Same...

Every house has more storage problems than there is time. Now you can methodically attack your storage needs with the help of *50 Storage Projects for the Home*. These innovative and creative solutions are sure to please everyone in the household as there are ideas for every room, nook, and cranny. Softbound.

4408-027 50 STORAGE PROJECTS FOR THE HOME $14.95 (CLUB $13.45)

We Can't Guarantee You Won't Hit Your Thumb With These Hammers...

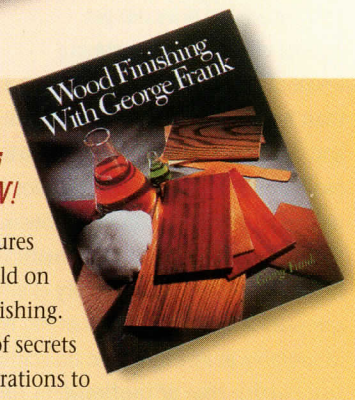
We can guarantee however that these are the finest hammers money can buy and are hands down the choice of professionals throughout America. Made in the U.S.A. from American steel, each Hart Hammer head is drop forged and locked on an American hickory handle. You will hand this tool down from generation to generation. The 16 oz. is a large hammer for general purpose shop work. The 12 oz. is the size I would buy for the kitchen drawer. Use the 21 oz. for really big jobs! Guaranteed for life!

6710-003	Hart 21 oz. Hammer	$21.95	(Club $19.75
6710-001	Hart 16 oz. Hammer	$17.95	(Club $16.15)
6710-002	Hart 12 oz. Hammer	$16.95	(Club $15.25

These Are The Handiest Clamps In Your Shop!

Anti-torque clamps apply pressure exactly where you need it without pad spin which mars your work. These versatile clamps excel at repairs. They don't deflect and they won't twist on your work. Try a couple of each size, and you will agree, they are unbeatable in many awkward clamping situations. They come with handy plastic covers to protect the most delicate of surfaces.

7610-110	Anti-Torque Clamp 4 1/2"	$20.75	(Club $18.65)
7610-111	Anti-Torque Clamp 3"	$18.95	(Club $17.05)
7610-112	Anti-Torque Clamp 2"	$14.94	(Club $13.45)
7610-113	Anti-Torque Clamp 1"	$13.39	(Club $12.05)



Obtain Finishes Like a Pro– NOW!

George Frank lectures around the world on the subject of finishing. Here are hundreds of secrets which took generations to perfect. This is an excellent shop reference for ALL levels of woodworkers. Highly recommended. Softbound.

Wood Finishing with George Frank
4408-003 $14.95 (Club $13.45)

You'll Be Amazed At How Clean Your Shop Will Be and YOUR LUNGS...

The JDS AIR-TECH 2000 is an air filtration system designed to hang from your shop ceiling or sit on a counter. The unit contains a multi-stage filter system with a self-contained blower. Dirty air is sucked in, much cleaner air is diffused back (eliminating drafts) into your shop. In addition to extremely fine wood dust, the JDS AIR-TECH 2000 will trap pollen, bacteria and fungi. It is 99% effective for removing particles 5 microns or larger, and 80% for particles of one micron. One micron is one millionth of a meter, or .0000393"!

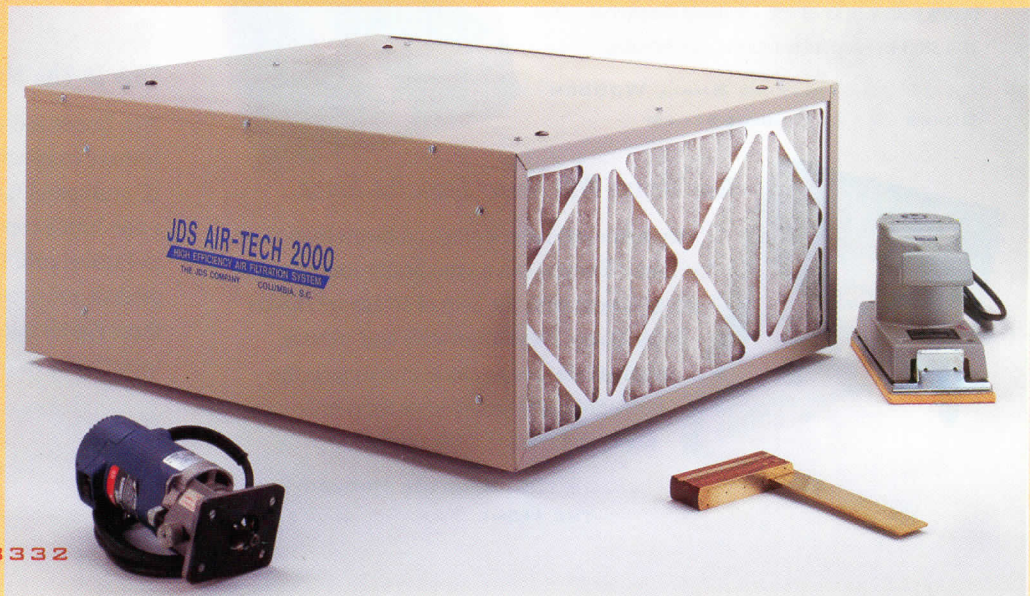
There's a huge difference between a dust collector and a dust filter. If you have the major contributors of airborne wood dust collected with a standard dust collector (i.e.: planer, joiner, sanders and saws), you have really only managed to keep your floor and workbench clean. In fact, in order for a dust collector to work efficiently, it must pass some dust back into the room, and this dust is small compared to the shavings and chips at the bottom of the collector. What the hairs in your nose and moist membranes miss, your lungs inherit. It's all very simple, logical and avoidable! This is why filtering your air is important.

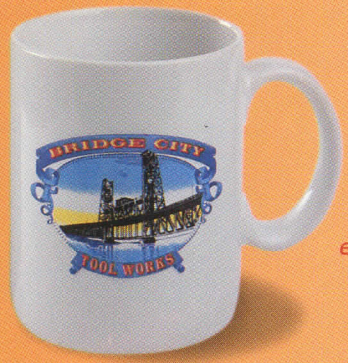
The JDS AIR-TECH 2000 is self-contained in a sheet metal enclosure (12" tall, 24" wide and 28" deep) ready to plug into your 110 volt house current. All filter changes are easily accomplished by simply sliding them out of the cabinet, no tools are needed. And it is less noisy than a window fan.

The blower is rated at 350 cfm after filtration. This means that if your shop is 20' by 20' by 8', the JDS AIR-TECH 2000 will filter the air in the entire room six times every hour. This naturally brings up maintenance costs.

The JDS AIR-TECH 2000 is made in the USA by one of America's largest heating and air handling manufacturers. The unit comes complete with one disposable pre-filter and one internal bag filter. Don't delay, order yours today. (2nd Day Air Service not available. Allow three weeks for delivery.)

7702-101	JDS AIR-TECH 2000/Model 350	$259.00	(Club $233.10)
7702-102	Disposable Pre-filter (change every 4-6 weeks)	$ 4.50	(Club $4.05)
7702-103	Internal Bag Filter (annual replacement)	$29.50	(Club $26.55)
7702-104	Washable Electrostatic Pre-filter	$43.00	(Club $38.70)
7702-105	Charcoal Filter (removes odors, fumes & smoke)	$42.00	(Club $37.80)





Try Your Favorite Coffee in Our Popular Bridge City Mug.

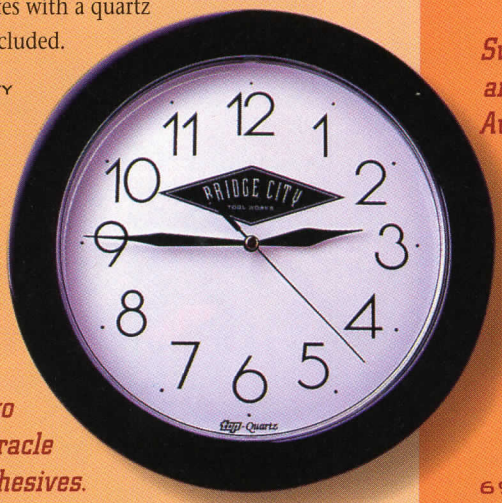
It obviously holds coffee, but it also holds pencils and other important "stuff" as well. 12 oz.

6915-001 COFFEE MUG $5.95 (CLUB $5.35)

This Clock Will Keep Your Mashed Potatoes Warm!

Well, maybe you won't always make it from your shop to meals on time, but this clock surely will help. With a 10" face, you can tell time from any corner of your shop. Start peeling the glue from your fingers in time so your dinner stays hot! Made from tough polycarbonates with a quartz movement. Black only, battery included.

3775-100 BRIDGE CITY TOOL WORKS CLOCK $17.95 (CLUB $16.15)



Two Miracle Adhesives.

Each of these industrial adhesives has unique properties suitable to every shop. CA-5 is used for filling pin knots or cracks. Simply pack the area with saw dust, apply a drop or two of CA-5, and you have created the best wood fill we have ever seen. Takes seconds to dry! We use CA-8 to bond mental to wood, and just everything else to anything else! They also work on glass, rubber and most plastics. Both are important additions to any shop or home. Comes in a handy, one ounce applicator bottle.

2201-001 CA-5 CYANOACRYLATE $17.95 (CLUB $16.15)
2201-002 CA-8 CYANOACRYLATE $17.95 (CLUB $16.15)
2201-003 BUY THE PAIR FOR $32.00 (CLUB $28.80)

Enjoy All the Comforts of Cotton With Our Bridge City T-Shirts.

These 100% cotton T-shirts are from one of the nation's premier manufacturers and look quite spiffy with our color logo silk-screened on the front. Choose Black or White in sizes S, M, L, XL and XXL. Please specify size when ordering.

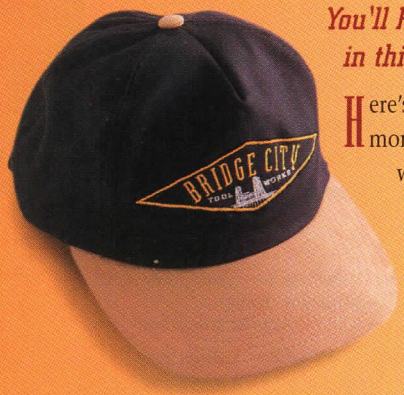
6911-001 BRIDGE CITY T-SHIRT-WHITE $15.00 (CLUB $13.50)

6911-002 BRIDGE CITY T-SHIRT-BLACK $15.00 (CLUB $13.50)

Our Popular Sweatshirts are Now Available in Five Colors!

Choose one of our new colors: Navy and Red, or one of the old standbys: White, Black and Gray. Our 80% cotton/20% polyester sweatshirts look and feel great. Sizes S, M, L, XL and XXL. Please specify size and color when ordering.

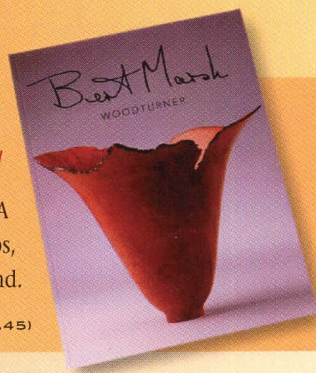
6911-003 BRIDGE CITY SWEATSHIRT $35.00 (CLUB $31.50)



You'll Receive Plenty of Compliments in this Handsome Hat!

Here's a hat we're proud to put our moniker on. Made of black cotton twill with a tan suede bill and adjustable suede strap in back. A classy looker, made in America. One size fits all.

6924-003 BRIDGE CITY HAT $15.95 (CLUB $14.35)



Bert Marsh Is One Of The World's Finest Woodturners. Here's His Work Up Close!

Bert Marsh Woodturner describes the path to pre-eminence as a woodturner. A fascinating volume packed to the gills with color photographs, tips, techniques and philosophy. A delightful book from England. Softbound.

4408-021 BERT MARSH WOODTURNER $24.95 (CLUB $22.45)

If You Plan on Making Money From Woodworking, Invest in this Book. FIRST.

What do you do when somebody offers to buy your work for the first time? *Make Your Woodworking Pay For Itself* is a must read if you want to make a profit. How you go about this delicate subject may prevent you from ruining your favorite hobby. Very detailed. Softbound.

4428-007 MAKE YOUR WOODWORKING PAY FOR ITSELF $18.99 (CLUB $17.10)

ORDER TOLL FREE 1-800-253-3332

It is Finally Possible to Obtain Perfect 90° or Dead Accurate Miter Cuts from Your Table Saw.

ACCU-MITER

There is one word which describes the miter gage that comes with most new (or used) table saws–woeful. Almost without exception, stock miter gages are impossible to square, they do not sit flat, they have cocked faces and the locking mechanism is weak. And to rely on the protractor scale for your degree readings is an invitation for disaster.

This is one of the most exciting table saw accessories available. Period. for starters, there is a fine adjustment for 90 degree alignment. Once you have set the Accu-Miter to 90 degrees, you may set the head either acutely or obtusely to 15, 22 1/2, 30, or 45 degrees. Here's the good news: the maximum error on any of these angles is one minute, 43 seconds. That is less than 1/30th of a degree!

The Accu-Miter has an adjustable, telescopic outer rail which allows you to slide the working surface close to the blade for short cut off work. Two quick-action lever handles tighten the rail to the head. Probably the nicest feature is the drop stop. Cut hundreds of pieces to exactly the same length simply by locking the drop stop at a predetermined distance. When done, it simply flips up out of the way.

The manual clamp accessory is highly recommended for accurate holding power on square cuts and is especially useful on angle cuts when there is a natural tendency for the board to "scoot". I also can tall you there is a reassuring sense of safety concerning my fingers.

The Accu-Miter will fit any table saw slot by using the bar which came with your original miter gage. The mounting instructions are included. However, we feel it is more economical to purchase the pre-drilled bar listed below if your slots are 3/8" by 3/4". U.S.A. made. Note: For Shopsmith and Sears saws, we will drill and tap your existing bar for $14.95.

7702-066 ACCU-MITER GAGE 18"-34" CAPACITY DOES NOT INCLUDE GUIDE BAR (POPULAR SIZE) $149.00 (CLUB $134.10)

7702-060 ACCU-MITER GAGE 24"-46" CAPACITY $164.00 (CLUB $147.60)

7702-080 18"-34" RAIL ONLY $56.00 (CLUB $50.40)

7702-081 24"-46" RAIL ONLY $71.00 (CLUB $63.90)

ACCESSORIES

7702-061 3/8" x 3/4" PRE-DRILLED, STEEL BAR $14.95 (CLUB $13.45)

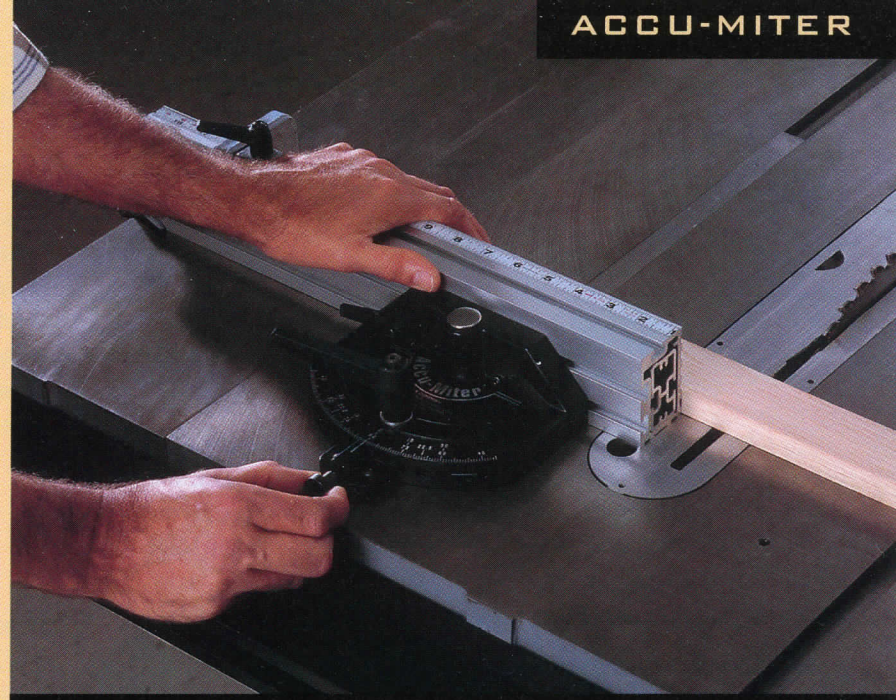
7702-061S CUSTOM SHOPSMITH BAR $24.95 (CLUB $22.45)

7702-061C CUSTOM SEARS CRAFTSMAN BAR $24.95 (CLUB $22.45)

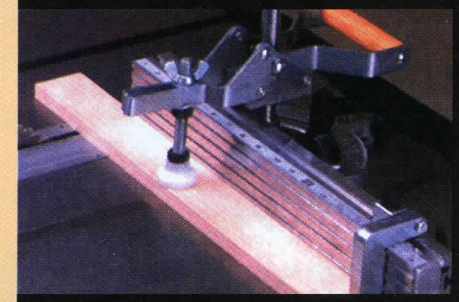
7702-062 MANUAL CLAMP WITH POST (HIGHLY RECOMMENDED) $29.95 (CLUB $26.96)

7702-063 AIR CLAMP AND FOOT SWITCH (NOT PICTURED) $159.00 (CLUB $143.10)

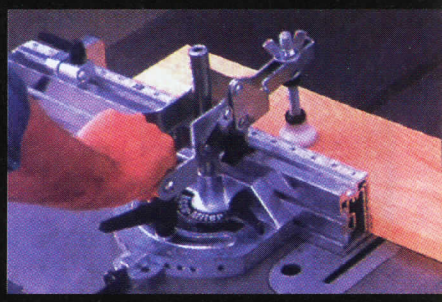
7702-065 EXTRA DEAD-STOP (THESE ARE HANDY, ONLY ONE COMES WITH UNIT) $19.95 (CLUB $17.95)



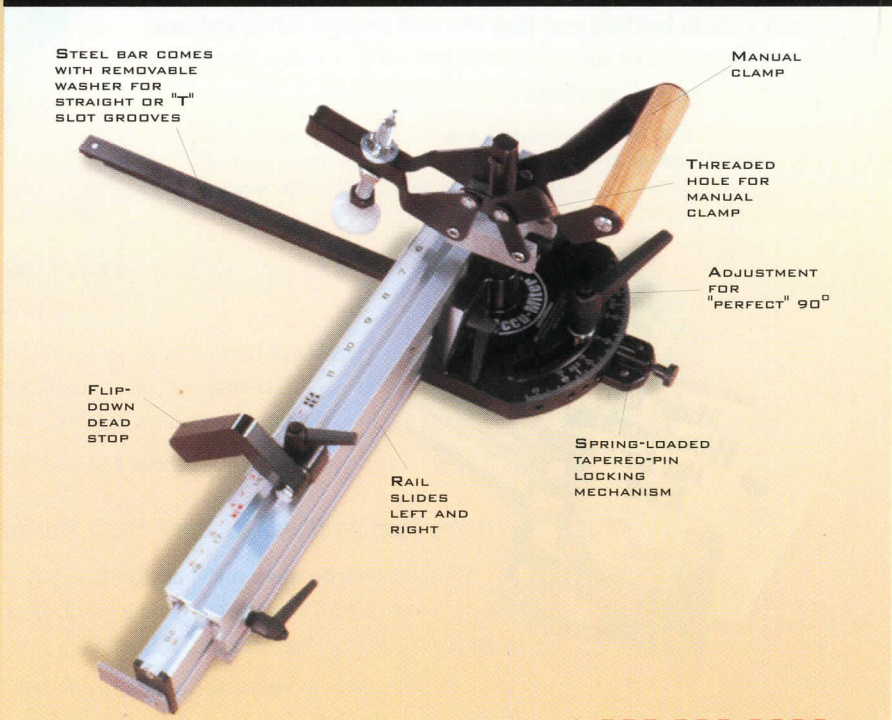
SPECIFICATIONS:
Accuracy: 90 degrees: Adjustable to your saw. Angle settings of 15, 22-1/2, 30, 45 degrees are within plus or minus 1'43" degrees of the 90 degree setting.
Cutoff Capacity: Either 18"-34" or 24"-46".
Materials: Telescopic rails are extruded aluminum alloy. Head is die-cast aluminum.



The manual clamp offers sure grip protection against board creep. When the flip-down dead stops are used, repeatable cuts are a snap.



To adjust from 90 degrees to any angle, simply release the locking lever, pull the pin and reset. The Accu-Miter is pre-drilled for 15, 22 1/2, 30, 45, and 90 degrees - the most common angles in woodworking.

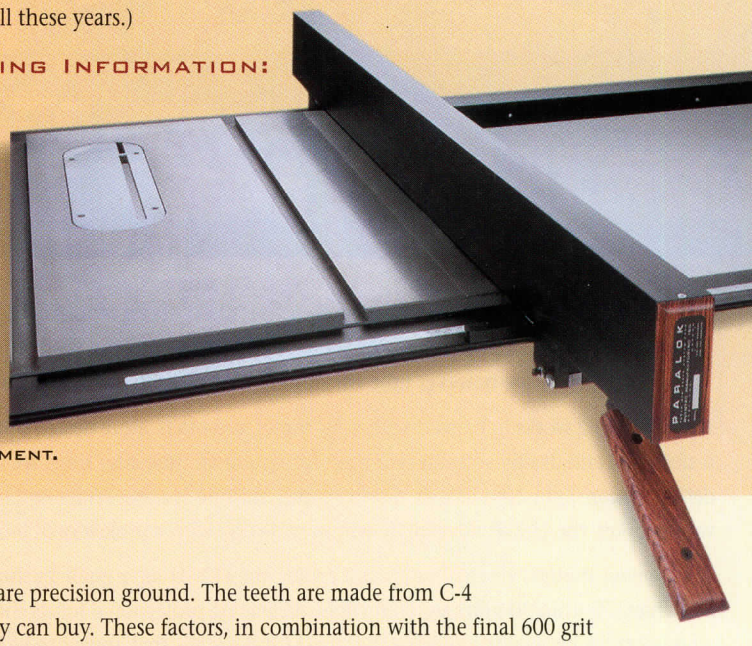


The Most Accurate & Reliable Fence Available.

The vast majority of table saws come equipped with grossly inept fences. We bought our first Paralok in 1978 and have never used a tape measure to set a saw fence again. It is always dead on. I was asked in 1979 to participate by an independent lab in a series of tests to determine the accuracy the Paralok on my 1959 Walker-Turner Saw. I was asked to lock the fence at any setting (I chose eleven inches). A dial indicator was set at the center of the fence and zeroed. Screening my vision for the indicator, I unlocked the fence, moved it at least 10 inches and locked it back at eleven inches using the vernier cursor on the fence (same reading principle as a micrometer). Here are the results after twenty settings.

Twelve times the dial indicator pegged at zero! The furthest deviation was an incredible .002", and this occurred once! All remaining settings were plus or minus .001". Here's how it works: each end of the Paralok is connected to the other through a closed loop of aircraft cable. like a drafting parallel, one end cannot move without the other. The locking mechanism does not tension the fence, it pinches the front and back rail with over 750 pounds of force! There is no flex whatsoever at the rear of this fence. Fence removal is a brainless 15 second chore with no loss of accuracy when reinstalling. Combined with my Forrest blade, this ol' Walker-Turner is as accurate as anything you could ever want or need.

Installation takes about 2 hours, and if needed, factory support is available. The Paralok is completely guaranteed for one year. You cannot buy a more accurate, productive or reliable fence for your saw. (Mine has worked flawlessly all these years.)



To Complete Your Order We Need the Following Information:

1. *What's the widest cut you need to make? Add 3" and pick from chart.*
2. *Is the depth of your saw, from front of table to rear, including any guard protrusion between 27" & 31"? If no, a custom fence needs to be made.*
3. *Make of the table saw? _____.*

Table Saw Depth		27"-31	Club Price
Rail Length	4'-0"	$330	$297
	5'-0"	$340	$306
	6'-0"	$350	$315
	6'-8"	$360	$324
	8'-0"	$370	$333

6603-001 Paralok Saw Fence (prices from chart above).
*This is a special order item, please allow 6-8 weeks for shipment.

These are the Only Blades We Use. Period.

These are the most precisely manufactured saw blades made today. The bodies are precision ground. The teeth are made from C-4 carbide which has been processed twice in a sintering oven–it's the best money can buy. These factors, in combination with the final 600 grit diamond sharpening grind, give you the cleanest cutting, longest lasting saw blades money can buy and are the only blades we use in our shop. We highly recommend using a dampener to improve quality. Vibrations introduced by your saw motor, bearings and drive belts terminate at the cutting circle causing ragged cuts. A dampener makes a big difference. We recommend The Woodworker I and II as two general purpose blades for most shops. Either will rip or crosscut all composites, plastics, soft and hardwoods. The specifications and specific uses are described below. All bores are $^5/_8$", custom bores sizes available for Inca, Shopsmith, etc. Add $7.50 per custom bore or $15.00 for blade and dampener boring. Specify bore size if other than $^5/_8$".

The blade we recommend most:
Woodworker I, 60T, ATB 3/32" kerf, great crosscut and plywood blade. The Woodworker II, 40T, ATB with 20 face hook, 1/8" kerf, does a better job for ripping. Duraline Hi-A/T, 80T, ATB, 1/8" kerf, designed for heavy cutting of melamine, Kortron, and laminated stock.

Dampeners:
We recommend a 5" dampener for a 10" blade, cutting capacity is 2-1/2" . Specify bore if other than 5/8". Use a 4" dampener for chop saws.

6604-015	10" Woodworker I (60T ATB 3/32" Kerf)	$116.00	(Club $104.40)
6604-016	10" Woodworker II (40T ATB 1/8" Kerf)	$99.00	(Club $89.10)
6604-017	10" Chopmaster	$116.00	(Club $104.40)
6604-018	12" Chopmaster	$125.00	(Club $112.50)
6604-019	10" Duraline High AT (80T ATB)	$143.00	(Club $128.70)
6604-010	4" Dampener (use for chop saws)	$21.00	(Club $18.90)
6604-011	5" Dampener (most popular size)	$24.00	(Club $21.60)

Nothing cuts grooves and dadoes more efficiently than a dado head. This cutter will crosscut veneered plywood without breakout of wood fibers. There is not a more precise dado set available. Cuts $^1/_8$" thru $^{13}/_{16}$", by $^1/_{16}$". Scoring blades have 24 teeth each. 8" Precision Dado Set, all chippers have four teeth.

6604-020 8" Diameter Dado Set $269.00 (Club $242.10)
(Bores other than $^5/_8$", add $45.00, specify bore size when ordering)

LEIGH DOVETAIL JIG

SPECIFICATIONS:

Allows for cutting half-blind dovetail pins and tails on material up to 24" in width.

Allows for cutting through dovetail pins and tails on material up to 24" in width.

Allows for cutting sliding dovetails on material up to 24 " in width.

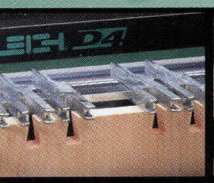
Maximum material thickness on through dovetails is 1¼"

Maximum material thickness on half & sliding dovetails is 1½"

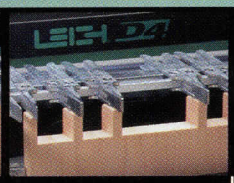
WITH OPTIONAL FINGER JOINT ATTACHMENT:

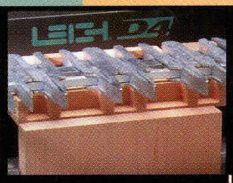
Allows for cutting various finger joints on material up to 24" in width.

7975-100	LEIGH DOVETAIL JIG	$379.00	(CLUB $341.10)
7975-200	FINGER JOINT ATTACHMENT	$274.00	(CLUB $246.60)

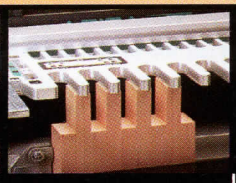


THROUGH DOVETAILS

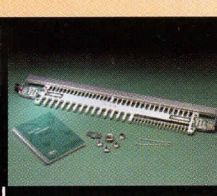




HALF BLIND DOVETAILS



FINGER JOINTS



FINGER JOINT ATTACHMENT

The hallmark of excellence in woodworking has always been represented by the dovetail joint. An ingenious mechanical joint that locks two pieces of wood together, it remains the strongest of wood joints. You can produce this joint by hand, or with a router jig. Cutting joints by hand is immensely rewarding, they are however time consuming. With this in mind, we proudly offer the versatile dovetail jig from LEIGH Industries.

This LEIGH jig works in concert with your router and offers more design options than any jig on the market. It is simple to use (it may look complex, but is not), fast and deadly accurate. For tight fitting joints, time after time, we recommend the LEIGH D4 dovetail jig. No other jig provides you with so many design options; pins and tails of varying width, infinite spacing arrays and multiple router bit choices. Whether you are a seasoned pro or a weekend woodworker, the LEIGH dovetail jig will provide you with a professional look and feel that will make your productivity soar and your neighbor envious.

For dovetail starters, you will need your router, the LEIGH jig, a guide bushing that fits your particular router brand (see note below), the proper cutting bits (see chart). Within 30 minutes, you will be producing professional joints that need gentle persuasion home for the dream dovetail joint. It is an amazing woodworking jig used throughout the world for dovetails that appear to be hand cut.

In addition to through dovetails, the D4 will also allow you to make sliding dovetails and half blind dovetails. It is a remarkable design achievement and is built to last! All functions are richly explained in the manual. With the addition of the finger joint attachment, you can make fast, squeaky tight finger joints, without a peep of light showing through.

ROUTER BIT SELECTION FOR THROUGH DOVETAILS, ONE DOVETAIL AND ONE STRAIGHT BIT ARE NEEDED. PICK THE PAIR FOR YOUR NEEDS.

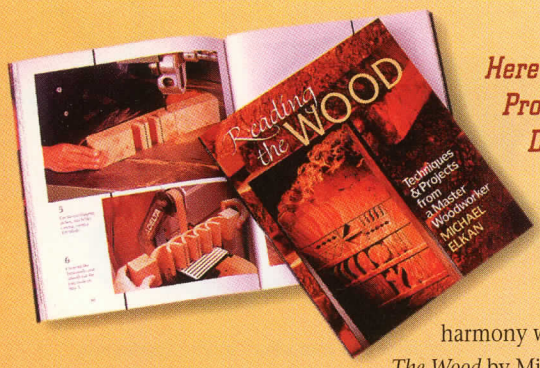
Item #	Major Dia.	Cutting Depth Range	OAL	Guidebush Size	Shank	Angle	Price	Club
22-132	13/16"	1" to 1 1/4"	3 3/8"	5/8"	1/2"	8°	$24.57	($22.11)
12-115	7/16"	up to 1 1/4"	2 3/4"	5/8"	1/2"	Straight	$15.09	($13.58)
22-130	1 1/16"	5/8" to 1"	3 1/8"	5/8"	1/2"	8°	$24.57	($22.11)
12-118	1/2"	1 1/4"	2 7/8"	5/8"	1/2"	Straight	$14.18	($12.76)
22-122	1/2"	1/2" to 13/16"	2 3/4"	7/16"	1/4"	8°	$15.37	($13.84)
04-118	5/16"	up to 1"	2 1/2"	7/16"	1/4"	Straight	$12.63	($11.37)
22-120	3/8"	1/4" to 1/2"	2 1/2"	7/16"	1/4"	8°	$15.37	($13.84)
04-118	5/16"	up to 1"	2 1/2"	7/16"	1/4"	Straight	$12.63	($11.37)
22-101	5/16"	up to 3/8"	1 7/8"	7/16"	1/4"	8°	$14.33	($12.89)
04-118	5/16"	up to 1"	2 1/2"	7/16"	1/4"	Straight	$12.63	($11.37)

NOTE: The most important link between your router and the LEIGH jig is the guide bushing. Please call **1-800-253-3332** for the correct guide bushing number for your brand of router prior to ordering. There are too many versions of routers to list in this space.

ROUTER BIT SELECTION FOR HALF-BLIND DOVETAILS

(STRAIGHT BITS ARE NOT USED FOR HALF-BLIND DOVETAIL JOINTS)

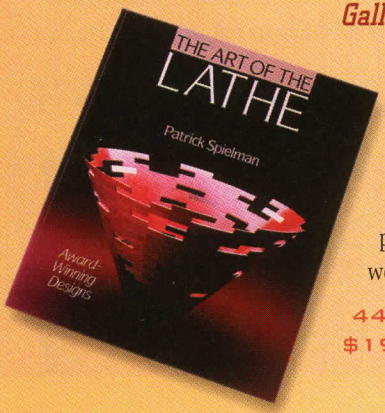
Item #	Major Dia.	Cutting Depth Range	OAL	Guidebush Size	Shank	Angle	Price	Club
22-122	1/2"	3/4"	2 3/4"	7/16"	1/4"	8°	$15.37	($13.84)
22-120	1/2"	7/16"	2 1/2"	7/16"	1/4"	14°	$15.37	($13.84)



Here is a Thought Provoking Journey on the Difference Between Working With Wood and Wood Working.

Accomplished wood craftspeople work in harmony with the grain of wood. *Reading The Wood* by Michael Elkan is a refreshing breeze of knowledge by one of America's most collected woodworkers. Beautiful color photography and richly detailed copy makes this a compelling woodworking book that is not soon forgotten. Softbound.

4408-025 READING THE WOOD $19.95 (CLUB $17.95)



Gallery Turnings Explained Thoroughly in The Art Of The Lathe.

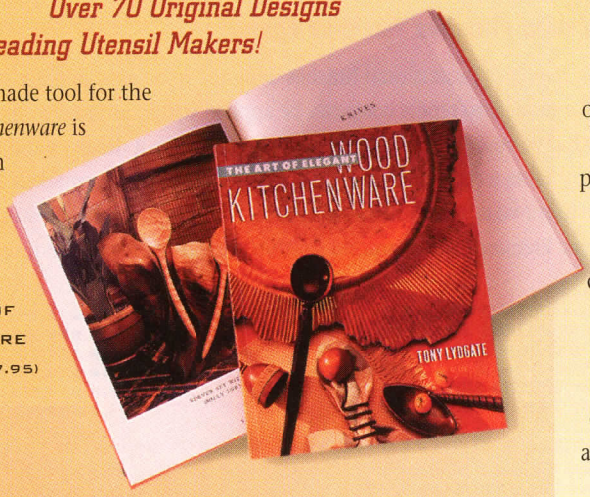
Amazingly detailed color action photos show precisely how the finest lathe work is achieved. Thirty-nine of the world's best turners share their insightful secrets of success. *The Art of the Lathe* is perhaps the finest example of inspirational lathe work we have discovered. Softbound. Highly recommended.

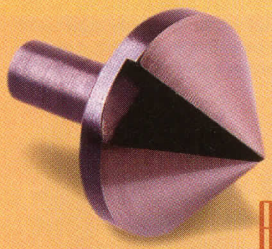
4408-030 THE ART OF THE LATHE $19.95 (CLUB $17.95)

Over 70 Original Designs by 34 of Americas Leading Utensil Makers!

There is not a better gift than a handmade tool for the kitchen. *The Art of Elegant Wood Kitchenware* is your corridor into the world of wooden utensils. This fascinating book is richly photographed in color and uniquely original. Softbound.

4408-028 THE ART OF ELEGANT WOOD KITCHENWARE $19.95 (CLUB $17.95)

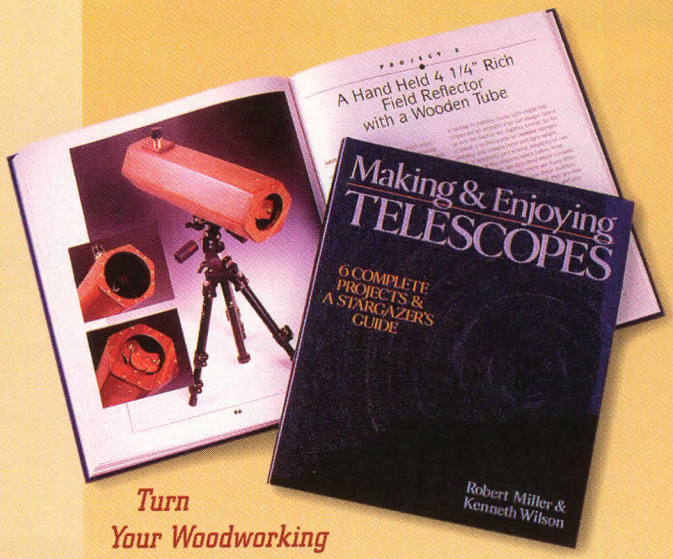




You Will Get Dead-On, Chatterless Counter Sinks With This Single Flute Counter Sink.

A single flute counter sink will only make PERFECTLY concentric counter sinks, it's the multiple flutes which cause chatter. This is the best woodworking counter sink we have ever used.

7601-012 60-DEGREE COUNTERSINK, SINGLE FLUTE, 1/2" SHANK DIAMETER $24.95 (CLUB $22.45)

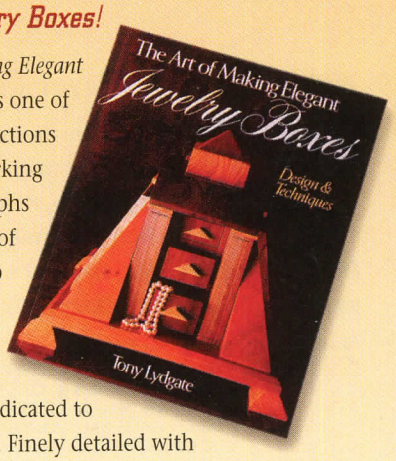


Turn Your Woodworking Daydreams to the Stars!

Now you can see for yourself what lies in the velvety blackness of space with your very own shop made telescope. Six designs from simple to complex grace the pages of *Making and Enjoying Telescopes*. Complete and thoroughly explained. Hardbound. Recommended.

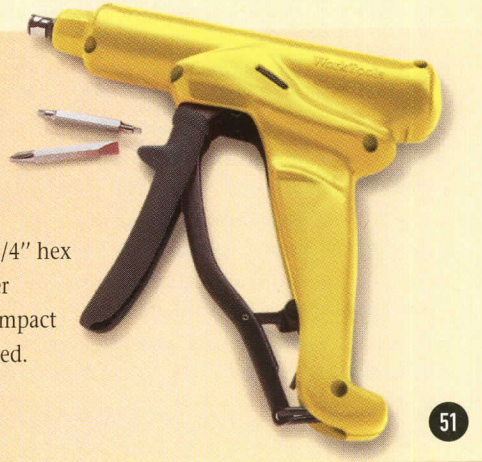
4408-031 MAKING AND ENJOYING TELESCOPES $24.95 (CLUB $22.45)

What a Stunning Collection: 30 Museum Quality Jewelry Boxes!



The Art of Making Elegant Jewelry Boxes is one of the richest collections of color woodworking photographs published. Many of America's top designers have contributed to this enduring reference dedicated to jewelry storage. Finely detailed with clean drawings allowing you to take theses creative ideas and apply them to your own efforts. Definitely deserves a spot on your bookshelf if you make boxes. Softbound.Highly recommended.

4408-029 THE ART OF MAKING ELEGANT JEWELRY BOXES $19.95 (CLUB $17.95)



At Last, You Can Drive Screws by Hand With Power-Without Batteries or Electricity!

The award winning SqueezeDriver is an ingenious device for driving or removing screws. Put any standard 1/4" hex bit in the chuck and squeeze–the SqueezeDriver does all the work your wrists used to do. The SqueezeDriver automatically shifts from high torque to high speed for fast easy driving or removal. Made from tough high impact resins, the SqueezeDriver will provide years of trouble free service without consuming any energy. Bits included.

6709-001 SQUEEZEDRIVER $24.95 (CLUB $22.45)

Pro Finishes Without A Compressor!

Finishes are the first thing people see and touch. Correctly done, a sprayed finish provides a tough durable coating protecting the piece and your labor for future generations. Lacquer, shellac, varnish, acrylics, water based lacquers, latex or enamels, there is an Apollo HVLP sprayer for you. Apollo sprayers employ a low energy, lightweight portable turbine which produces a constant source of high volume, low pressure (HVLP) airflow to atomize finish materials. There is an incredible 80% transfer efficiency rating compared to less than 50% with conventional spraying. Turbine delivered air is contaminate free, so then is your finish, all in a completely portable package! Spray pattern is adjustable from a 1/4" dot to a 15" fan. Automobile quality finishes are easily attainable. With the new water based finishes listed below, it is now possible to spray in confined spaces without the worry of over-spray igniting. Use the appropriate Apollo Sprayers for the following finishes: acrylic paints and varnishes, car lacquers, chromates, latex, hammer effect finishes, hard gloss synthetics, oil bound heavy duty primers, polyurethane, clear lacquer, and water based varnishes and lacquers. I think you will agree, the Apollo Sprayers are the most efficient and economical way to obtain that perfect surface film finish. Each comes complete with gun, turbine, hose, connectors and instructions, American made and a lot of fun! 110 volts.

7701-001 Model 700+ Two stage turbine, 24' hose and gun, will spray all solvent based finishes, is not recommended for many water based finishes. 31 lbs, 105 CFM, 4.5PSI, 12Amps **$775.00** (Club$697.00)

7701-001-EP Model 700+ 6 months @ **$139.00/mo.** $834.00 total (Club $125.00/mo., $750.00 total)

7701-002 Model 800+ Three stage turbine and is the most popular model for spraying water based finishes as well as solvent based finishes and stains. 24' hose and gun. **$888.00** (Club $799.00)

7701-002-EP Model 800+ 6 months @ **$159.00/mo.** $954.00 total (Club $143.00/mo., $858.00 total)

7701-003 Model 900+ Rated for continuous duty for two guns simultaneously. Includes a 40' hose. **$1055.00** (Club $949.00)

7701-003-EP Model 900+ 6 months @ **$189.00/mo.** $1134.00 total (Club $170.00/mo., $1020.00 total)

7701-004 Model 1100+ This machine will spray virtually any finish coating. Three power settings are available. For heavy duty use and continuous reliability. **$1145.00** (Club $1030.00)

7701-004-EP Model 1100+ 6 months @ **$224.00/mo.** $1344.00 total (Club $202.00/mo., $1212.00 total)

Without A Doubt, These Are The Best Water Based Finishes We Have Found!

Crystalac Premium Finishes are the top rated, waterborn family of professional finishes designed to be used in place of nitrocellulose lacquers, polyurethanes or varnishes. They dry crystal clear on wood, metal or ceramic and repeat coats can be applied within an hour in most applications. Completely HVLP or conventional sprayer compatible, Crystalac Premium will give your work the professional appearance it deserves and provide protection for the antiques of tomorrow. ***Crystalac Premium 2000*** is a superb choice for table tops, pianos, guitars and will buff out to a remarkable clear and shiny surface. ***Diamond Finishes*** are the toughest and most rugged, abrasion resistant waterborn finishes available. Piano tops, musical instruments, high use table tops and chairs are excellent choices for Diamond finishes. Both Crystalac Premium and Diamond finishes are self-sealing so sanding sealer is not needed.

Brushable finishes

6750-109	Clear Gloss Crystalac Premium 2000 (Quart)	$13.00	(Club $11.70)
6750-108	Clear Gloss Crystalac Premium 2000 (Gallon)	$33.00	(Club $29.70)
6750-110	Clear Semi-Gloss Crystalac Premium 2000 (Quart)	$13.00	(Club $11.70)
6750-111	Clear Semi-Gloss Crystalac Premium 2000 (Gallon)	$33.00	(Club $29.70)
6750-112	Clear Satin Crystalac Premium 2000 (Quart)	$13.00	(Club $11.70)
6750-113	Clear Satin Crystalac Premium 2000 (Gallon)	$33.00	(Club $29.70)

TIPS: No finish can overcome improper surface preparation or faulty application techniques. Always finish a scrap sample of your finished project completely as a test. If you use one of the brushable finishes, purchase one of the finest bristle brushes you can find. Only when satisfied with the test, and the proper number of coats, should you proceed to your project. It makes no sense to experiment on a completed project.

Sprayable Finishes (HVLP Compatible or Conventional) & Accessories

6750-114	Crystalac Premium 2000 Clear Gloss (Quart)	$13.00	(Club $11.70)
6750-115	Crystalac Premium 2000 Clear Gloss (Gallon)	$33.00	(Club $29.70)
6750-116	Crystalac Premium 2000 Clear Semi-Gloss (Quart)	$13.00	(Club $11.70)
6750-117	Crystalac Premium 2000 Clear Semi-Gloss (Gallon)	$33.00	(Club $29.70)
6750-118	Crystalac Premium 2000 Clear Satin (Quart)	$13.00	(Club $11.70)
6750-119	Crystalac Premium 2000 Clear Satin (Gallon)	$33.00	(Club $29.70)
6750-120	Diamond Clear Gloss (Quart)	$18.00	(Club $16.20)
6750-121	Diamond Clear Gloss (Gallon)	$39.00	(Club $35.10)
6750-122	Diamond Clear Semi-Gloss (Quart)	$18.00	(Club $16.20)
6750-123	Diamond Clear Semi-Gloss (Gallon)	$39.00	(Club $35.10)
6750-124	Diamond Clear Satin (Quart)	$18.00	(Club $16.20)
6750-125	Diamond Clear Satin (Gallon)	$39.00	(Club $35.10)
6750-127	Diamond Ebony (Black) Base Coat (Quart)	$13.00	(Club $11.70)
6750-126	Diamond Ivory (White) Base Coat (Quart)	$13.00	(Club $11.70

6750-101 Viscosity Reducer (Quart) **$7.25** (Club $6.55)

If you have a HVLP System with less than a three stage turbine, you will need viscosity reducer. Works for either Crystalac Premium or Diamond finishes.

6750-103 Retarder (Quart) **$7.25** (Club $6.55)

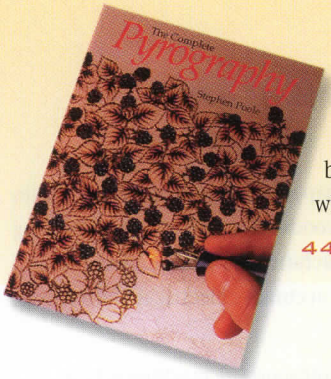
If you live in an area with low humidity (20-40%), the finish could dry too quickly. You will need Retarder which slows the drying process for the finish to spray properly.

6750-105 Surface Conditioner (Quart) **$7.25** (Club $6.55)

Use surface conditioner between coats. Removes sanding dust and debris, oily fingerprints and promotes intercoat bonding and prevents fisheye. Highly recommended.

6750-107 Warmtone Dye Solution for Tinting (4 oz) **$7.00** (Club $6.30)

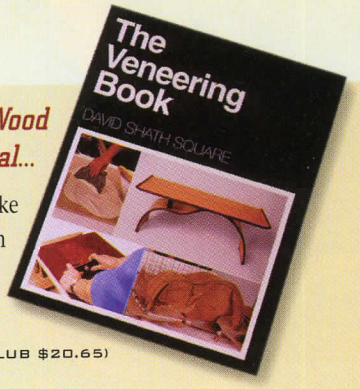
Use Warmtone to recreate the warm colors of shellac and lacquer. (4oz)



Wow! What a Great Way to Introduce Originality to Your Woodwork...

The Complete Pyrography is the most detailed and comprehensive body of knowledge on the subject of burning designs into wood. You will be amazed at what these techniques will do for your creativity. Broaden your horizons by learning all the tricks and effects of pyrography and amaze your friends, family and clients. Very different from what you may imagine. Softbound. Highly recommended, fun and a great gift idea!

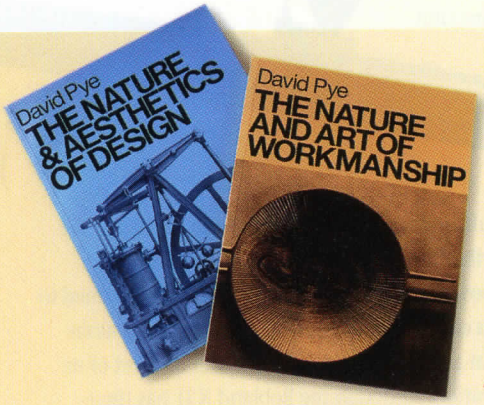
4408-033 The Complete Pyrography $19.95 (club $17.95)



Sometimes the Only Way to Obtain Amazing Wood is in Veneer. Here is How to Work This Material...

Face it, lumber supplies are not what they used to be and it often does not make sense to make everything out of solid stock. *The Veneering Book* focuses primarily on the process of vacuum veneering, a relative new technique that produces stunning results. Tailored for the small one or two man shop, you will be able to create your wildest dreams with veneer. Softbound. Highly recommended.

4401-028 The Veneering Book $22.95 (club $20.65)



Look! They Are Back in Print-David Pye's Landmark Efforts on Design and Workmanship!

David Pye, wrote two brilliant books dealing with the subtleties of creativity. *The Nature and Art of Workmanship*, published in 1968 explores the contradictory effect of mass production vs. hand craftsmanship. This timeless treasure should be required reading by anyone who makes objects that fill our visual world. *The Nature & Aesthetics of Design* establishes a basic theory of design where none existed before. Design is everywhere–and this penetrating, provocative and stimulating book is sure to inspire those who make anything. These are two of our favorite books at Bridge City, and hopefully you have noticed the differences between our tools and others. Both books are softbound and highly recommended.

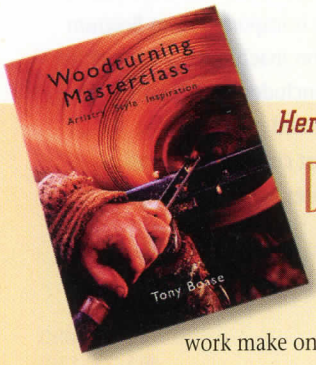
4431-003 The Nature and Art of Workmanship $19.95 (club $17.95)

4431-002 The Nature & Aesthetics of Design $19.95 (club $17.95)

I Now Know How to Make My Woodworking Machines Sing!

Tune Up Your Tools is a must have book for every power tool owner. Step-by-step instructions are included for bringing every tool back into perfect working order and keeping them that way. Every cut is accurate and every cut is safe. Softbound. Highly recommended.

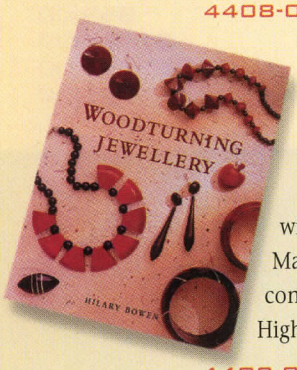
4428-006 Tune Up Your Tools $22.95 (club $20.65)



Here's a Woodturning Book By a Photographer. WOW!

Certainly, *Woodturning Masterclass* is one of the finest photographed books we have come across. You can smell the wood in almost every color photo. The work is the finest England has to offer and is a provocative work, equally at home in your shop or on the coffee table. Packed with creative work make on the lathe. Softbound. Highly recommended.

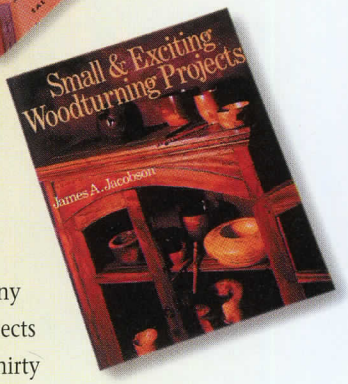
4408-022 Woodturning Masterclass $17.95 (club $16.15)



What an Amazing Collection of Creative Ideas!

With the simplest of tools and very little material, *Woodturning Jewellery* (English spelling) will astound you with hundreds of beautiful objects you can make on the lathe. Many of the ideas lend themselves to drawer pulls, finials and box concepts. An original resource–unlike any book we have seen. Highly recommended. Softbound.

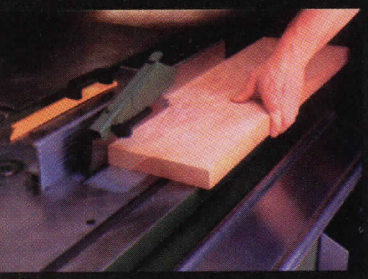
4408-023 Woodturning Jewellery $14.95 (club $13.45)



A Musical Bowl? It's One of Many Cool Projects in this New Book...

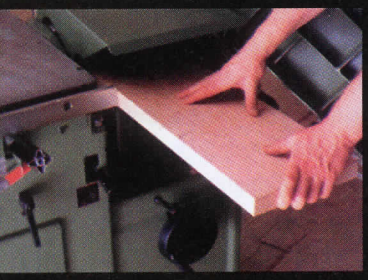
It is amazing how many different kinds of projects come off of a lathe. Thirty innovative projects are described in detail for your consideration in *Small & Exciting Woodturning Projects*. Because these projects are small, they can usually be finished in a couple of hours. The results are often breathtaking! Softbound. Highly recommended.

4408-035 Small & Exciting Woodturning Projects $14.95 (club $13.45)

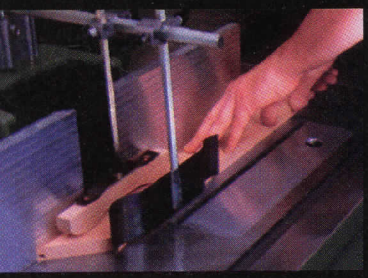


SPECIFICATIONS
Table Saw
Blade Diameter: 10"
Atbor Size: 5/8"
Tilting Capacity: 0-45 degrees
Max Depth of Cut: 3 3/16"
Max Cut With Sliding Table: 50"
Motor: 3hp

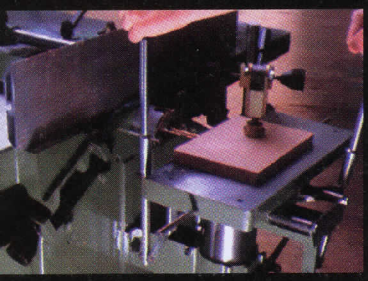
Jointer
Width: 12 3/16"
Length: 55"
Max Depth of Cut: 1/4"
RPM: 5500
Number of Knives: 3
Motor: 3hp



Planer
Width: 12 3/16"
Length: 55"
Max Depth of cut: 1/4"
RPMt: 5500
Number of Knives: 3
Motor: 3hp



Shaper
Spindle Diameter Top: 3/4"
Spindle Diameter Bottom: 1 1/4"
Vertical Travel: 5 1/2"
Max Cutter Diameter in Table: 7"
Motor: 3hp
RPM : 6000



Mortiser
Table Travel Left to Right: 8"
Table Travel Up Down: 4"
Table Travel Depth of Cut: 5"
Chuck Capacity: 0 5/8"
Table Size: 8" x 17"
Motor: 3hp

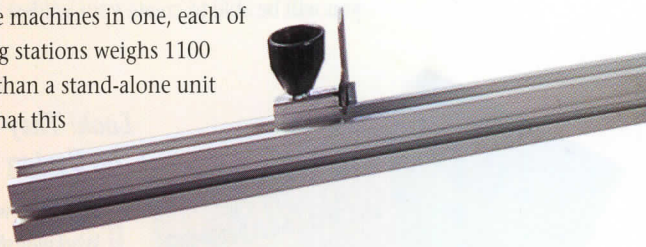
For Saw Blades see Forrest Saw Blades on page 49.
Weight and Crate Dimensions
Weight: 1100 lbs.
Crate Size (LxWxH): 57" x 44" x 43"
The machine will easily knock down to go through a 32" door

Most Woodworker's Have Never Seen A Machine Like This. Please Meet The Robland X31.

Robland Combination Machine

It's a 10" table saw, a 12" joiner, a 12" planer, a spindle shaper and a slot mortiser. It's plain and simple: the Robland X31 will make you a better woodworker. Here is the following considerations why the Robland X31 combination machine may be the next piece of power equipment you will buy: space, money, value, accuracy, electrical limitations, convenience and capacity.

1 The first and foremost decision when purchasing any multi-purpose machine is how much time it takes to change from one function to another. It takes no longer than 20 seconds to change a set up. It just can't get much faster. **2** The second aspect of any power tool purchase is the mass. Mass dampens vibration. Because this machine is actually five machines in one, each of the individual woodworking stations weighs 1100 pounds. This is more mass than a stand-alone unit with the same function. What this means for you is simple; you will get results that are unattainable with most of the equipment out there.



You'll see accurate, professional quality results for many years down the road. And a safe benefit of mass is sound control. Without vibration, your noise output is cut way back. **3** The third reason for buying a multi-purpose machine is space. If your shop is confined to a garage, basement, or other small space, you can't safely or conveniently buy stand alone machines and have room for your projects. In addition to the space limitations most of us experience, there's also an electrical consideration. Although the Robland X31 has three separate 3-hp motors driving the 5 stations, there is only one plug. And if for some reason you have to reclaim your shop space for another use, you can unplug and roll your one-man shop out of the way. **4** Finally, cost and value are always a consideration. If you were to purchase five individual tools of the same quality and capacity, you could count on spending at least 40% more than the cost of the Robland X31. That is value.

There's a video you can order to see the Robland X31 in action. In 90 minutes this video covers more than we could ever explain on these pages. I recommend this informative and complete examination of the Robland X31. This machine is imported from Belgium and is made by the world's largest manufacturer of combination machines. Each machine is completely guaranteed for one year. Our price listed below includes the following: The combination machine, mortising table and chuck, HSS jointer and planer knives, 10" carbide combination saw blade, guard fences, service tools, dust collections chutes, a book on woodworking, demo video, and delivery in the 48 states.

7706-001 Robland X31 Combination Machine with Large Sliding Table **$6,600.00** (includes delivery in 48 states)

Accessories:

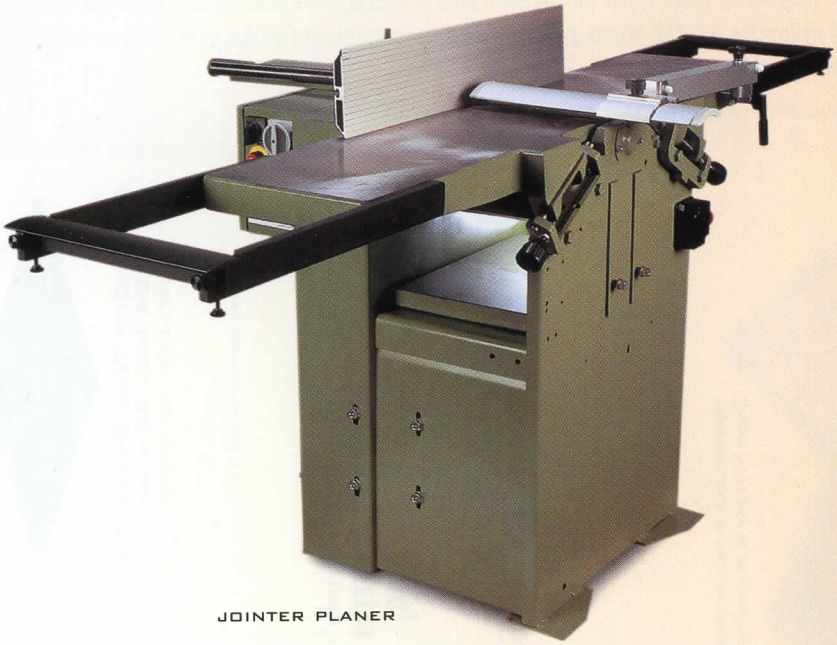
7706-003	Dust Collector	$545.00
7706-004	Mobility Kit	$175.00
7706-006	Extra Knives (3 sets)	$69.00
7706-013	Band Saw LT-16 (1.8 HP, 9" resaw)	$1445.00
7706-014	Jointer Planer	$2695.00
7706-015	Band Saw LT-18 SE (3 HP, 16" resaw)	$1995.00

Easy Pay available: 1-800-253-3332 for details

ROBLAND X-31

The LT18 is ideal for the larger shop that does production work, it has a larger resaw capacity and a larger motor. It also has technical features such as rack and pinion adjustment of upper blade guide, a footbrake and a full 1" blade capacity. There is an optional wheel system to chauffeur the LT18 around your workshop.

The LT16 is the ideal machine for the discriminating woodworker. This bandsaw can handle just about any job in your shop because it is much more powerful than comparable saws. It also has upper and lower guides, a 1" blade capacity and an optional wheel system for mobility.



JOINTER PLANER

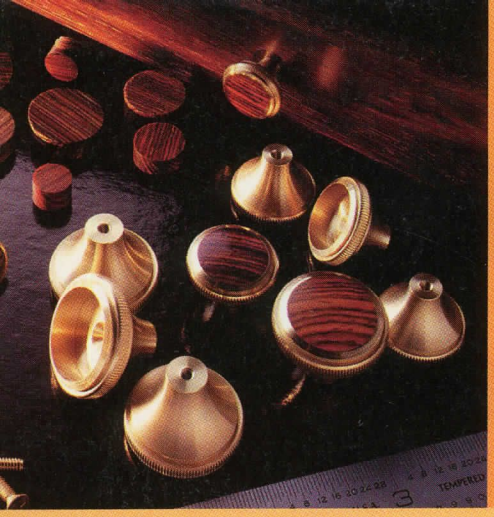
Important Note: Due to the fluctuation in the exchange rate, items on page 54 and 55 are not eligible for club discounts.

LT-18 BANDSAW

LT18
Base Dimension: 30.5"x13.3"
Table Size: 23"x 19.75"x 35"h
Height: 71"
Weight: 295 lbs.
Blade Length: 139"
Max Blade width: 1"
Max Height under guides: 12"
Max Cutting Width: 17.25"
Min Blade width: 1/8"
Motor: 1.8 hp
Dust Chute Diameter: 4"

LT-16 BANDSAW

LT16
Base Dimension: 30.5"x13.3"
Table Size: 19.5"x 15.75"x 35"h
Height: 69"
Weight: 295 lbs.
Blade Length: 124"
Max Blade width: 1"
Max Height under guides: 9.25"
Max Cutting Width: 15.25"
Min Blade width: 1/8"
Motor: 1.8 hp
Dust Chute Diameter: 4"



Detail Your Work With the Finest Brass Knobs Available.

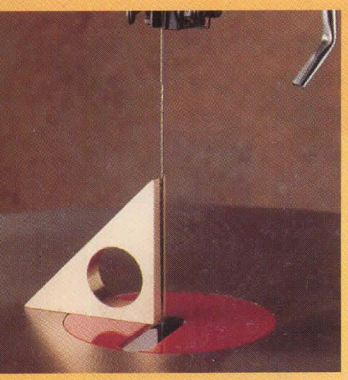
Art is in the details. These beautiful solid brass knobs are available in four diameters for the numerous needs woodworkers have for knobs, pulls and finials. We are proud to produce this design for your latest masterpiece. Cut your plugs in one of four standard diameters (3/8", 1/2", 5/8", 3/4") and finish on a lathe or drill press with the special mandrel. Create an unmistakable aura of quality. They're easy, fun and gorgeous. Four to a package. Use the convenient mandrel for mounting in a drill or lathe chuck. All knobs use a #4-40 flathead screw and can be mounted from either direction of the knob. Instructions and screws (1-1/2" long, you cut to length) included.

0100-100 4 Knobs 3/8" plug size $4.50 (club $4.05)
0100-200 4 Knobs 1/2" plug size $5.50 (club $4.95)
0100-300 4 Knobs 5/8" plug size $7.50 (club $6.75)
0100-400 4 Knobs 3/4" plug size $9.50 (club $8.55)
0100-500 Steel Mandrel $2.50 (club $2.25)

Now You Can Work With Juara™ Wood!

We've been making tools with Juara™ wood for years and are pleased to offer this interesting material for your creative ideas. Works best as an accent- knobs, inlays, decorative turnings and tool handles. Takes a very high polish and needs no finish! Extremely hard and abrasive so sharp tools are necessary. A perfect substitute for those woods that are home to monkeys, parrots and sloths. Made from American hardwoods. Burgundy wine color only.

0072-500 1"x 1" x 14" $8.20 (club $7.35)
0072-600 1" x 2" x 14" $10.40 (club $9.40)
0072-700 2" x 2" x 28" $49.00 (club $44.10)
0072-800 1" x 6" x 14" $39.00 (club $35.10)

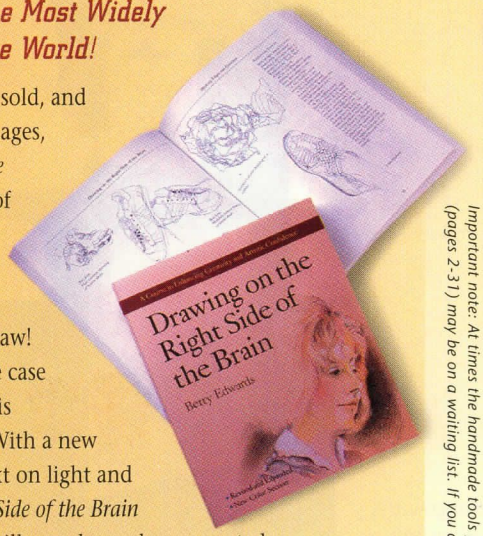


Scroll Saw Owners: This is the Small Bridge City Square You Have Been Looking For!

Setting a scroll saw to cut square is a chancy proposition (until now). This beautiful small brass square will fit in the throat of any scroll saw. Ninety degree leg is 1.85î. Works great 45 degrees too. Really shines for all small scale work. Accurate to within .001", all angles. Lifetime warranty.

1102-084 SS-1 Scroll Saw Square $14.95 (club $13.45)

Newly Revised...Here's the Most Widely Used Drawing Book in the World!



With over one million copies sold, and published in over ten languages, *Drawing On The Right Side of the Brain* is without question one of the most important books for your library. This award winning effort can teach anybody, at any age, how to draw! You will be flabbergasted at the case studies featured throughout this wondrously illustrated effort. With a new color section and expanded text on light and shadow, *Drawing On The Right Side of the Brain* will show you how to obtain skills you have always wanted or dreamed. you will see immediate improvement in your drawing, sketching and even your handwriting! We are proud to offer the new revised edition in both hard and soft cover.

4725-100 Drawing On The Right Side of the Brain Softcover $14.95 (club $13.45)

4725-200 Drawing On The Right Side of the Brain Hardcover $22.95 (club $20.65)

Important note: At times the handmade tools produced by Bridge City Tool Works (pages 2-31) may be on a waiting list. If you are ordering gifts, please inquire to availability.

Bridge City Tool Works, Inc.
1104 N.E. 28th Ave
Portland, OR 97232

Address correction requested

BRIDGE CITY TOOL WORKS

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